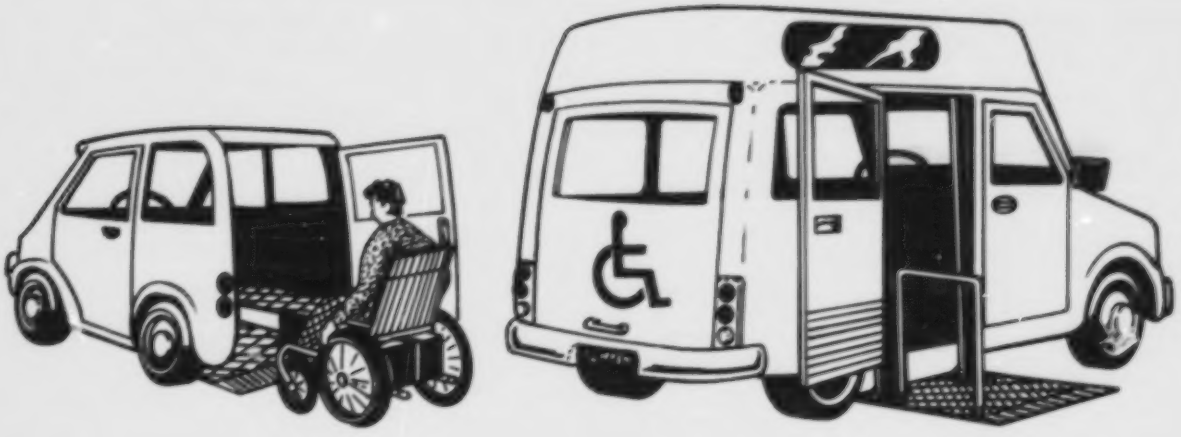
Transport Canada
Development

Transports Canada
Développement

TP 7310E

COMPENDIUM OF ACCESSIBLE VEHICLES



Transportation Development Centre
Transport Canada

SEPTEMBER 1988

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427608

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Compendium of Accessible Vehicles

compiled by

Rémi Blanchet and Jacques Bêty

Transportation Development Centre
Transport Canada

RECEIVED
JAN
Transport Canada / Transports Canada

September 1988

427608

DDN 345343

Inclusion of a vehicle in this compendium does not reflect endorsement by Transport Canada.

90-04089/

Ce document est également disponible en français : "Compendium des véhicules adaptés", TP 7310F.

Transport Canada / Transports Canada
Development / Développement

REPORT DOCUMENTATION FORM

1. Transport Canada Report No.	2. TDC Project No.	3. Recipient's Catalogue No.
TP 7310E	6608	

4. Title and Subtitle	5. Report Date
Compendium of Accessible Vehicles	September 1988
	6. Performing Organization Report No. —
7. Author(s)	8. Transport Canada File No.
Rémi Blanchet and Jacques Bêty	D 1450-103-75
9. Performing Organization Name and Address	10. DSS File No. —
Transportation Development Centre (TDC) 200 René Lévesque Boulevard West West Tower, Suite 601 Montreal, Quebec H2Z 1X4	11. DSS or Transport Canada Contract No. —
12. Sponsoring Agency Name and Address	13. Type of Report and Period Covered —
Transportation Development Centre (TDC) 200 René Lévesque Boulevard West West Tower, Suite 601 Montreal, Quebec H2Z 1X4	14. Sponsoring Agency Code —
15. Supplementary Notes	16. TDC Project Officer
Also available in French : "Compendium des véhicules adaptés", TP 7310F.	Barbara A. Smith

17. Abstract

This compendium provides detailed information on a selected number of accessible vehicles available in North America. The compendium is organized into eight vehicle categories: personal car, taxi, mini-van, van, body-on-chassis vehicle, small bus, large bus, and articulated bus. Vehicle descriptions include technical specifications, available accessibility options, and photographs or drawings.

Supplementary material includes a selected bibliography and a list of vehicle manufacturers and converters.

Information in this compendium will assist prospective vehicle buyers to choose a suitable accessible vehicle by matching vehicle specifications with their particular requirements.

18. Key Words	19. Distribution Statement
Accessible, disabled, automobile, van, bus, vehicle manufacturers.	A limited number of copies are available from Transportation Development Centre.

20. Security Classification (of this report)	21. Security Classification (of this page)	22. No. of Pages	23. Price
Unclassified	Unclassified	xii, 85	Nil

Transports Canada / Transport Canada
Développement / Development

FORMULE DOCUMENTAIRE DU RAPPORT

1. N° du rapport Transports Canada	2. N° de l'étude — CDT	3. N° de catalogue du destinataire
TP 7310E	6608	

4. Titre et sous-titre	5. Date du rapport
Compendium of Accessible Vehicles	Septembre 1988
	6. N° du rapport de l'organisme exécutant —
7. Auteur(s)	8. N° de dossier — Transports Canada
Rémi Blanchet et Jacques Bêty	D 1450-103-75
9. Nom et adresse de l'organisme exécutant Centre de développement des transports (CDT) 200 ouest, boulevard René-Lévesque Tour ouest, suite 601 Montréal (Québec) H2Z 1X4	10. N° de dossier — ASC —
	11. N° de contrat — ASC ou Transports Canada —
12. Nom et adresse de l'organisme parrain Centre de développement des transports (CDT) 200 ouest, boulevard René-Lévesque Tour ouest, suite 601 Montréal (Québec) H2Z 1X4	13. Genre de rapport et période visée —
	14. Code de l'organisme parrain —
15. Remarques additionnelles Également disponible en français : "Compendium des véhicules adaptés", TP 7310F.	16. Agent de projet — CDT Barbara A. Smith

17. Résumé

Le répertoire dont il est rendu compte ici présente une information détaillée sur une sélection de véhicules adaptés disponibles sur le marché nord-américain. Pour en faciliter la consultation, il a été divisé en sections correspondant aux huit catégories suivantes : automobiles, taxis, fourgonnettes, mini-fourgonnettes, châssis-cabines, minibus, bus et bus articulés. La description donne la fiche technique, les équipements facultatifs et une photo ou un dessin.

Le répertoire se termine par une bibliographie et une liste des constructeurs automobiles et entreprises spécialisées dans l'adaptation des véhicules automobiles.

Ce document veut aider le consommateur et l'exploitant à choisir le véhicule adapté qui correspond le mieux à leurs besoins spécifiques.

18. Mots-clés	19. Diffusion
Adapté, handicapés, automobiles, fourgonnettes, bus, fabricants.	Le Centre de développement des transports dispose d'un nombre limité d'exemplaires.

20. Classification de sécurité (de ce rapport)	21. Classification de sécurité (de cette page)	22. Nombre de pages	23. Prix
non classifié	non classifiée	xii, 85	nil

Acknowledgements

The Transportation Development Centre thanks the manufacturers and converters for their cooperation in providing the information contained herein.

Foreword

This compendium was compiled by Rémi Blanchet and Jacques Bêty of the Université de Sherbrooke as a student project sponsored by the Transportation Development Centre.

Every effort has been made to ensure that the information presented in the compendium is accurate. Descriptions are based on literature provided by the vehicle manufacturers and converters. Prospective buyers should contact manufacturers and converters directly for the names of local representatives and for other additional information.

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Introduction

Transport Canada is committed to improving transportation access and eliminating travel barriers for elderly and disabled Canadians. In support of these goals, the Transportation Development Centre has prepared this compendium of accessible vehicles.

Accessible vehicles run the gamut from private automobiles to taxis to vans and buses in public transit services. The relative lack of comparative information available on these vehicles has made selecting the appropriate vehicle type and model a problem for consumers and operators alike. This compendium provides detailed information on a selected number of accessible vehicles on the market or in development in North America and abroad. All vehicles described are wheelchair accessible.

The compendium is organized into vehicle categories for easy reference :

Personal Car

Vehicles in this category have been specifically designed and built to be accessed and operated by a disabled person using a wheelchair.

Taxi

Vehicles in this category are specifically designed and built for taxi service. They accommodate one to two wheelchair passengers along with two to three ambulatory passengers.

Mini-Van and Standard Van

These are standard production vehicles modified to accommodate wheelchair drivers or passengers. Modifications may include a lowered floor, raised roof, and widened door. Ancillary equipment required for wheelchair access and securement must be installed. As production vehicles, both types of van have moderate capital costs and readily available spare parts and maintenance services.

Body-on-Chassis Vehicle

These vehicles feature specially built bodies mounted on production light-truck chassis. They are more durable than standard production vans but, because of stiffer suspension, they offer a rougher ride.

Small Bus, Large Bus and Articulated Bus

Buses presented in the compendium are standard production vehicles with body and chassis specifically designed for transit service. Transit buses are more durable and have a longer life expectancy than production vans and body-on-chassis vehicles.

Each vehicle description includes technical specifications, available accessibility options and, in most cases, a photograph or drawing. The vehicle descriptions are followed by a bibliography of useful information sources and a list of manufacturers and converters and their addresses.

The compendium is intended to help consumers and operators to choose a suitable vehicle by matching vehicle specifications to their particular requirements. Other factors prospective buyers should keep in mind when selecting an accessible vehicle include:

- type of service
- operating environment
- safety standards
- flexibility of seating arrangements
- available options
- ancillary equipment
- capital cost
- maintenance requirements

PERSONAL CAR

TYPE OF VEHICLE

Personal Car

Elswick "Envoy"

MAKE AND MODEL

Elswick "Envoy"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 2 seated + 1 wheelchair passenger

DIMENSIONS :
LENGTH : 2.67 m
WIDTH : 1.51 m
HEIGHT : 1.56 m

WHEELBASE : 1.65 m

MAXIMUM STEP HEIGHT : 0 cm

FLOOR HEIGHT : 25.4 cm

INTERIOR HEADROOM : 1 m

DOOR OPENING WIDTHS :
FRONT : 90 cm
REAR OR SIDE : 96 cm

TURNING RADIUS : 4.3 m

TIRE SIZE : 125/50R12

ENGINE : In-Line 4, 1 L gas

TRANSMISSION : Automatic

SUSPENSION : Cone spring & dampers

BRAKES : Drum

STEERING : Servo assisted

AIR CONDITIONING : —

FUEL TANK CAPACITY : 37.9 L

GROSS VEHICLE WEIGHT : 680.4 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☑ KNEELER
☐ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Personal Car

MAKE AND MODEL

Gateau International "EGZO 3-H"

EGZO 3-H

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 1 wheelchair passenger

DIMENSIONS :
LENGTH : 2.36 m
WIDTH : 1.27 m
HEIGHT : 1.50 m

WHEELBASE : 1.65 m

MAXIMUM STEP HEIGHT : 0 cm

FLOOR HEIGHT : 25.4 cm

INTERIOR HEADROOM : 1 m

DOOR OPENING WIDTHS :
FRONT : 90 cm
REAR OR SIDE : 94 cm

TURNING RADIUS : 4.3 m

TIRE SIZE : 125/50R12

ENGINE : Gas, diesel, electric

TRANSMISSION : Automatic

SUSPENSION : Helicoidal springs & dampers

BRAKES : Drum

STEERING : Rack & pinion

AIR CONDITIONING : —

FUEL TANK CAPACITY : 14 L

GROSS VEHICLE WEIGHT : 450 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☐ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☐ FLIP-DOWN SEAT

TYPE OF VEHICLE

Personal Car

Handicar

MAKE AND MODEL

Tellhol "Handicar"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 1 seated + 1 wheelchair passenger

DIMENSIONS :
LENGTH : 2.42 m
WIDTH : 1.35 m
HEIGHT : 1.55 m

WHEELBASE : 1.70 m

MAXIMUM STEP HEIGHT : 0 cm

FLOOR HEIGHT : 22.5 cm

INTERIOR HEADROOM : 1 m

DOOR OPENING WIDTHS :
FRONT : —
REAR OR SIDE : 94 cm

TURNING RADIUS : 4.65 m

TIRE SIZE : 125/50R12

ENGINE : Electric (4 kW)

TRANSMISSION : Automatic

SUSPENSION : Coil spring

BRAKES : Drum

STEERING : Rack & pinion

AIR CONDITIONING : —

FUEL TANK CAPACITY : —

GROSS VEHICLE WEIGHT : 630 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☑ KNEELER
☐ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

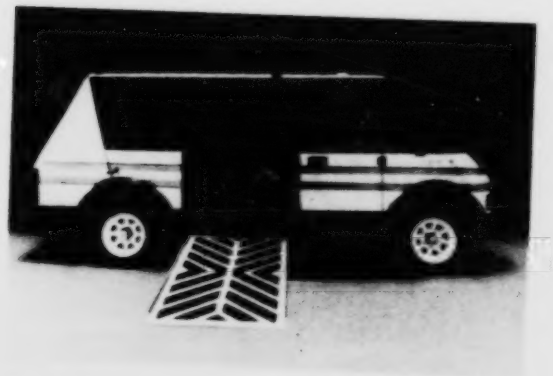
TAXI

TYPE OF VEHICLE

Taxi

MAKE AND MODEL

Dutcher Motors "TransitTaxi"



TransitTaxi

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 4 seated + 2 wheelchair passengers

DIMENSIONS :
- LENGTH : 4.85 m
- WIDTH : 1.96 m
- HEIGHT : 1.99 m

WHEELBASE : 2.88 m

MAXIMUM STEP HEIGHT : 30.5 cm

FLOOR HEIGHT : 30.5 cm

INTERIOR HEADROOM : 1.52 m

DOOR OPENING WIDTHS :
- FRONT : —
- REAR OR SIDE : 1.02 m

TURNING RADIUS : 5.49 m

TIRE SIZE : 200/80R14

ENGINE : Ford; 2.3 L, 2.9 L

TRANSMISSION : 4-speed automatic

SUSPENSION : Coil spring

BRAKES : Power disc

STEERING : Power

AIR CONDITIONING : Available

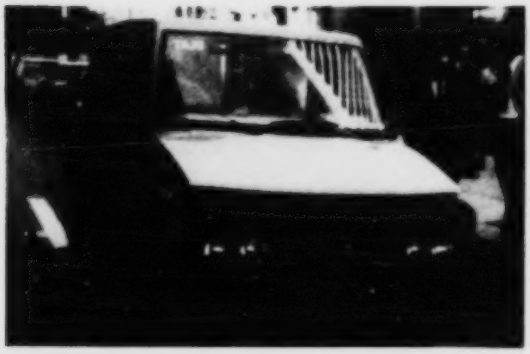
FUEL TANK CAPACITY : 75.7 L

GROSS VEHICLE WEIGHT : 2100 kg

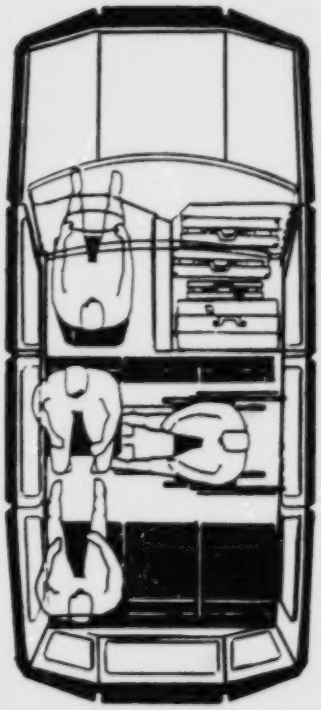
OPTIONS FOR THE MOBILITY IMPAIRED :
- ☐ KNEELER
- ☐ WHEELCHAIR LIFT
- ☑ WHEELCHAIR RAMP
- ☑ WHEELCHAIR STATION
- ☑ WHEELCHAIR SECUREMENT
- ☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Taxi



GSM Taxi



MAKE AND MODEL

GSM Taxi

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 3 seated + 2 wheelchair passengers

DIMENSIONS :
- LENGTH : 4.27 m
- WIDTH : 1.91 m
- HEIGHT : 1.91 m

WHEELBASE : 2.81 m

MAXIMUM STEP HEIGHT : 30 cm

FLOOR HEIGHT : 30 cm

INTERIOR HEADROOM : 1.02 m

DOOR OPENING WIDTHS :
- FRONT : 98 cm
- REAR OR SIDE : 98 cm

TURNING RADIUS : 11.1 m

TIRE SIZE : 205/75R15

ENGINE : GM in-line 6, 4.1 L

TRANSMISSION : GM 400 automatic

SUSPENSION : Coil spring, A-arms, tube shocks

BRAKES : Disc & drum

STEERING : Power assisted

AIR CONDITIONING : Available

FUEL TANK CAPACITY : 95 L

GROSS VEHICLE WEIGHT : 1600 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
- ☑ KNEELER
- ☐ WHEELCHAIR LIFT
- ☑ WHEELCHAIR RAMP
- ☑ WHEELCHAIR STATION
- ☑ WHEELCHAIR SECUREMENT
- ☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Taxi

London Taxis "FX4W"

MAKE AND MODEL

London Taxis "FX4W"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 4 seated + 1 wheelchair passenger

DIMENSIONS :
- LENGTH : 4.58 m
- WIDTH : 1.74 m
- HEIGHT : 1.77 m

WHEELBASE : 2.81 m

MAXIMUM STEP HEIGHT : 22.5 cm

FLOOR HEIGHT : 22.5 cm

INTERIOR HEADROOM : 0.97 cm

DOOR OPENING WIDTHS :
- FRONT : 61 cm
- REAR OR SIDE : 92 cm

TURNING RADIUS : 7.62 m

TIRE SIZE : 175R16

ENGINE : Land Rover 2.5 L, diesel

TRANSMISSION : Manual, automatic

SUSPENSION : Leaf & coil spring

BRAKES : Drum

STEERING : Power assisted

AIR CONDITIONING : Available

FUEL TANK CAPACITY : 52.3 L

GROSS VEHICLE WEIGHT : 1562 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
- ☐ KNEELER
- ☐ WHEELCHAIR LIFT
- ☐ WHEELCHAIR RAMP
- ☑ WHEELCHAIR STATION
- ☑ WHEELCHAIR SECUREMENT
- ☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Mini-Van (Chrysler)

Dispatcher

MAKE AND MODEL

Air Surrey Inc. "Dispatcher"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 4 seated + 2 wheelchair passengers

DIMENSIONS :
LENGTH : 4.47 m
WIDTH : 1.78 m
HEIGHT : 1.98 m

WHEELBASE : 2.84 m

MAXIMUM STEP HEIGHT : 45.7 cm

FLOOR HEIGHT : 45.7 cm

INTERIOR HEADROOM : 1.3 m

DOOR OPENING WIDTHS :
FRONT : —
REAR OR SIDE : 83.8 cm

TURNING RADIUS : 6.28 m

TIRE SIZE : P195/.75R14

ENGINE : 2,2 L, 2,6 L; gas

TRANSMISSION : 3-speed automatic

SUSPENSION : Leaf & coil spring

BRAKES : Disc & drum

STEERING : Power, rack & pinion

AIR CONDITIONING : Available

FUEL TANK CAPACITY : 72.7 L, 90.9 L

GROSS VEHICLE WEIGHT : 2181.3 kg

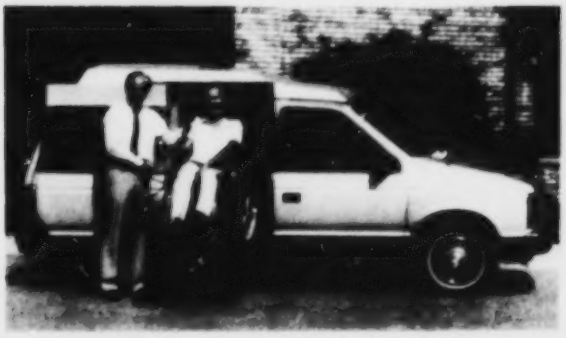
OPTIONS FOR THE MOBILITY IMPAIRED :
☐ KNEELER
☐ WHEELCHAIR LIFT
☑ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

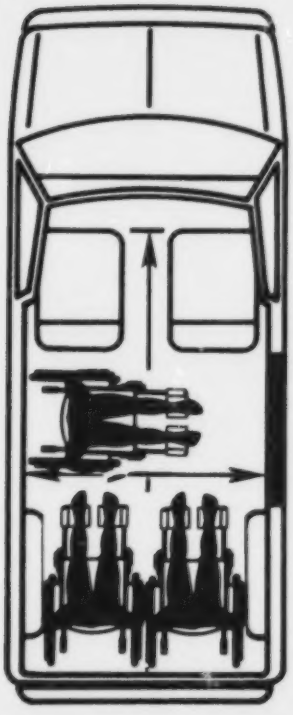
Mini-Van (Dodge, Plymouth)

MAKE AND MODEL

Braun Corp. "Wheelchair Caravan"



Wheelchair Caravan



VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 1 seated + 3 wheelchair passengers

DIMENSIONS :
- LENGTH : 4.47 m
- WIDTH : 1.78 m
- HEIGHT : 1.93 – 2.04 m

WHEELBASE : 2.84 m

MAXIMUM STEP HEIGHT : 45.7 cm

FLOOR HEIGHT : 45.7 cm

INTERIOR HEADROOM : 1.22 m

DOOR OPENING WIDTHS :
- FRONT : —
- REAR OR SIDE : 83.8 cm

TURNING RADIUS : 6.28 m

TIRE SIZE : P205/70R14

ENGINE : In-line 4; 2,2 L, 2,6 L; gas

TRANSMISSION : 3-speed automatic

SUSPENSION : Leaf & coil spring

BRAKES : Disc & drum

STEERING : Power, rack & pinion

AIR CONDITIONING : Available

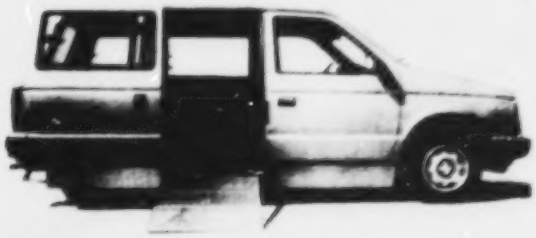
FUEL TANK CAPACITY : 72.7 L, 90.9 L

GROSS VEHICLE WEIGHT : 2181.3 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
- ☐ KNEELER
- ☑ WHEELCHAIR LIFT
- ☑ WHEELCHAIR RAMP
- ☑ WHEELCHAIR STATION
- ☑ WHEELCHAIR SECUREMENT
- ☐ FLIP-DOWN SEAT

TYPE OF VEHICLE

Mini-Van (Dodge, Plymouth)



Transporter

MAKE AND MODEL

Care Concepts Inc. "Transporter"

VEHICLE SPECIFICATIONS

PASENGER CAPACITY : 3 seated + 3 wheelchair passengers

DIMENSIONS :
- LENGTH : 4.47 m
- WIDTH : 1.78 m
- HEIGHT : 1.92 m

WHEELBASE : 2.84 m

MAXIMUM STEP HEIGHT : 25.4 cm

FLOOR HEIGHT : 25.4 cm

INTERIOR HEADROOM : 1.49 m

DOR OPENING WIDTHS :
- FRONT : —
- REAR OR SIDE : 83.8 cm

TURNING RADIUS : 6.28 m

TIRE SIZE : P205/70R14

ENGINE : In-line 4; 2.2 L, 2.6 L

TRANSMISSION : 3-speed automatic

SUSPENSION : Leaf & coil spring

BRAKES : Disc & drum

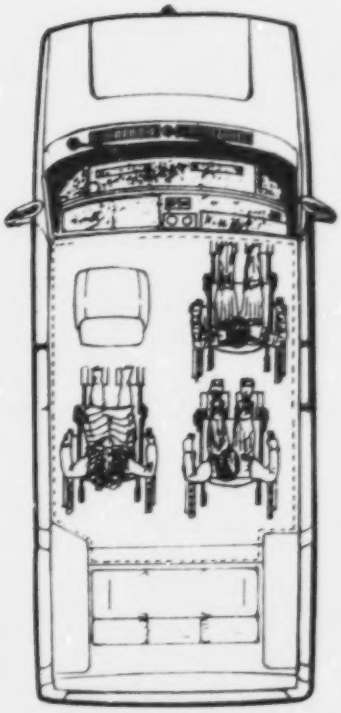
STEERING : Power, rack & pinion

AIR CONDITIONING : Available

FUEL TANK CAPACITY : 72.7 L, 90.9 L

GROSS VEHICLE WEIGHT : 2181.3 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
- ☐ KNEELER
- ☐ WHEELCHAIR LIFT
- ☑ WHEELCHAIR RAMP
- ☑ WHEELCHAIR STATION
- ☑ WHEELCHAIR SECUREMENT
- ☐ FLIP-DOWN SEAT



TYPE OF VEHICLE

Mini-Van (Dodge, Plymouth)

Target Industries "Mini-Van"

MAKE AND MODEL

Target Industries "Mini-Van"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 2 seated + 1 wheelchair passenger

DIMENSIONS :
LENGTH : 4.47 m
WIDTH : 1.78 m
HEIGHT : 1.92 m

WHEELBASE : 2.84 m

MAXIMUM STEP HEIGHT : 45.7 cm

FLOOR HEIGHT : 45.7 cm

INTERIOR HEADROOM : 1.4 m

DOOR OPENING WIDTHS :
FRONT : —
REAR OR SIDE : 83.8 cm

TURNING RADIUS : 6.28 m

TIRE SIZE : P205/70R14

ENGINE : In-line 4; 2.2 L, 2.6 L

TRANSMISSION : 3-speed automatic

SUSPENSION : Leaf & coil spring

BRAKES : Disc & drum

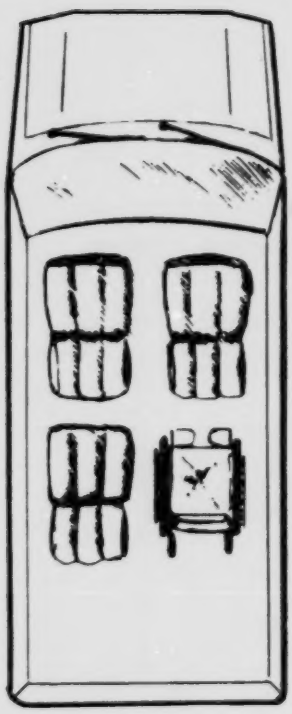
STEERING : Power, rack & pinion

AIR CONDITIONING : Available

FUEL TANK CAPACITY : 72.7 L, 90.9 L

GROSS VEHICLE WEIGHT : 2181.3 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☐ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☐ FLIP-DOWN SEAT



VAN

TYPE OF VEHICLE

Van (Ford)

Campwagon

MAKE AND MODEL

Campwagon

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 10

DIMENSIONS :
LENGTH : 5.79 m
WIDTH : 2.13 m
HEIGHT : 2.32 m

WHEELBASE : 3.51 m

MAXIMUM STEP HEIGHT : 48.3 cm

FLOOR HEIGHT : 66 cm

INTERIOR HEADROOM : 1.35 m

DOOR OPENING WIDTHS :
FRONT : —
REAR OR SIDE : 96 cm

TURNING RADIUS : 7.32 m

TIRE SIZE : 235/75R15

ENGINE : 5 L, gas

TRANSMISSION : Automatic, overdrive

SUSPENSION : Leaf & coil spring

BRAKES : Disc & drum

STEERING : Power

AIR CONDITIONING : Scott

FUEL TANK CAPACITY : 132 L

GROSS VEHICLE WEIGHT : 4126.9 kg

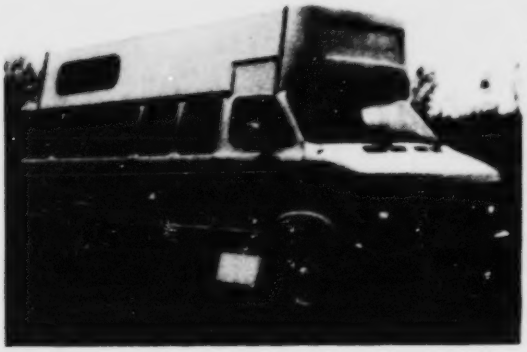
OPTIONS FOR THE MOBILITY IMPAIRED :
☐ KNEELER
☑ WHEELCHAIR LIFT
☑ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Van (Dodge)

MAKE AND MODEL

Coach & Equipment "Super Metrovan"



Super Metrovan

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 6 seated + 2 wheelchair passengers

DIMENSIONS :
LENGTH : 5.79 m
WIDTH : 2.03 m
HEIGHT : 2.82 m

WHEELBASE : 3.24 m

MAXIMUM STEP HEIGHT : 48.3 cm

FLOOR HEIGHT : 66 cm

INTERIOR HEADROOM : 1.98 m

DOOR OPENING WIDTHS :
FRONT : —
REAR OR SIDE : 96 cm

TURNING RADIUS : 7.32 m

TIRE SIZE : 9 x 16.5

ENGINE : Gas, diesel, propane

TRANSMISSION : Automatic

SUSPENSION : Leaf & coil spring

BRAKES : Disc & drum

STEERING : Power

AIR CONDITIONING : Available

FUEL TANK CAPACITY : 132 L

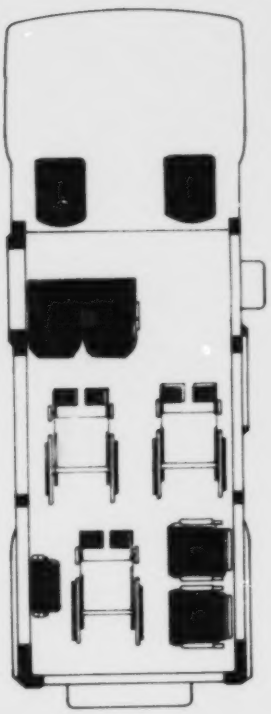
GROSS VEHICLE WEIGHT : —

OPTIONS FOR THE MOBILITY IMPAIRED :
☐ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Van (Renault, Fiat, Peugeot)

Durisotti "Minicar"



Nine-passenger configuration, including three wheelchair stations

MAKE AND MODEL

Durisotti "Minicar"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 9 – 12 seated + 1 – 5 wheelchair passengers

DIMENSIONS :
- LENGTH : 3.95 m
- WIDTH : 1.70 m
- HEIGHT : 2.39 m

WHEELBASE : 3.05 m

MAXIMUM STEP HEIGHT : 45 cm

FLOOR HEIGHT : 45 cm

INTERIOR HEADROOM : 1.68 m

DOOR OPENING WIDTHS :
- FRONT : 91 cm
- REAR OR SIDE : 110 cm

TURNING RADIUS : —

TIRE SIZE : 16 x 205

ENGINE : Gas, diesel

TRANSMISSION : 3-speed automatic

SUSPENSION : Leaf & coil spring

BRAKES : Hydraulic

STEERING : Power

AIR CONDITIONING : Available

FUEL TANK CAPACITY : 100 L

GROSS VEHICLE WEIGHT : 3730 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
- ☐ KNEELER
- ☐ WHEELCHAIR LIFT
- ☑ WHEELCHAIR RAMP
- ☑ WHEELCHAIR STATION
- ☑ WHEELCHAIR SECUREMENT
- ☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Van

MAKE AND MODEL

"Wide-One"

Wide-One

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 6 – 17 seated + 1 – 4 wheelchair passengers

DIMENSIONS :
LENGTH : 5.70 m
WIDTH : 2.41 m
HEIGHT : 2.68 m

WHEELBASE : 3.25 m

MAXIMUM STEP HEIGHT : 28 cm

FLOOR HEIGHT : 64 cm

INTERIOR HEADROOM : 1.88 m

DOOR OPENING WIDTHS :
FRONT : 79 cm
REAR OR SIDE : 127 cm

TURNING RADIUS : —

TIRE SIZE : —

ENGINE : V–8, 5.9 L, gas

TRANSMISSION : Automatic

SUSPENSION : Leaf & coil spring

BRAKES : Assisted disc & drum

STEERING : Power

AIR CONDITIONING : —

FUEL TANK CAPACITY : 140 L

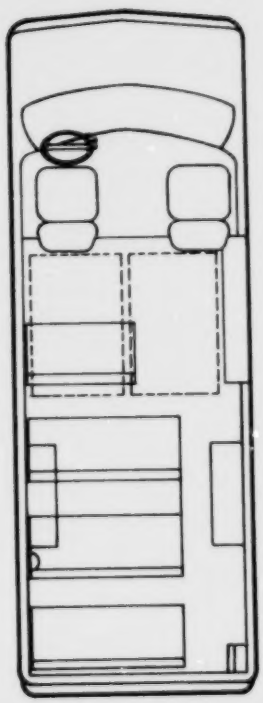
GROSS VEHICLE WEIGHT : 4087 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☐ KNEELER
☑ WHEELCHAIR LIFT
☑ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Van (Dodge, Ford, Chevrolet)

Funcraft



Dodge Maxi with two wheelchair stations

MAKE AND MODEL

Funcraft

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 10 – 12 seated + 1 – 2 wheelchair passengers

DIMENSIONS :
- LENGTH : 4.45 – 5.79 m
- WIDTH : 1.80 – 2.13 m
- HEIGHT : 1.52 – 3.05 m

WHEELBASE : 3.02 – 3.15 m

MAXIMUM STEP HEIGHT : 48.3 cm

FLOOR HEIGHT : 38.1 – 76.2 cm

INTERIOR HEADROOM : 1.27 – 1.98 m

DOOR OPENING WIDTHS :
- FRONT : 76.2 cm
- REAR OR SIDE : 76.2 – 127 cm

TURNING RADIUS : 7.32 m

TIRE SIZE : 9 x 16.5

ENGINE : Gas, propane, diesel

TRANSMISSION : Automatic

SUSPENSION : Leaf & coil spring

BRAKES : Disc & drum

STEERING : Power

AIR CONDITIONING : Available

FUEL TANK CAPACITY : 75.6 L, 151.4 L

GROSS VEHICLE WEIGHT : to 4126.9 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
- ☐ KNEELER
- ☑ WHEELCHAIR LIFT
- ☑ WHEELCHAIR RAMP
- ☑ WHEELCHAIR STATION
- ☑ WHEELCHAIR SECUREMENT
- ☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Van (Ford)

Transit Van

MAKE AND MODEL

HCI "Transit Van"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 8 seated + 2 wheelchair passengers

DIMENSIONS :
LENGTH : 5.79 m
WIDTH : 2.13 m
HEIGHT : 2.84 m

WHEELBASE : 3.51 m

MAXIMUM STEP HEIGHT : 48.3 cm

FLOOR HEIGHT : 66 cm

INTERIOR HEADROOM : 1.98 m

DOOR OPENING WIDTHS :
FRONT : —
REAR OR SIDE : 1.09 m

TURNING RADIUS : 7.32 m

TIRE SIZE : 9 x 16.5

ENGINE : 5.75 L gas, 6.9 L diesel

TRANSMISSION : Automatic

SUSPENSION : Leaf & coil spring

BRAKES : Disc & drum

STEERING : Power

AIR CONDITIONING : Available

FUEL TANK CAPACITY : 151.4 L

GROSS VEHICLE WEIGHT : 4126.9 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☐ KNEELER
☑ WHEELCHAIR LIFT
☑ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Van (Ford)

Premiere

MAKE AND MODEL

Specialty Vehicles "Premiere"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 6 seated + 2 wheelchair passengers

DIMENSIONS :
LENGTH : 5.79 m
WIDTH : 2.13 m
HEIGHT : 2.84 m

WHEELBASE : 3.51 m

MAXIMUM STEP HEIGHT : 48.3 cm

FLOOR HEIGHT : 66 cm

INTERIOR HEADROOM : 1.98 m

DOOR OPENING WIDTHS :
FRONT : —
REAR OR SIDE : 1.09 m

TURNING RADIUS : 7.32 m

TIRE SIZE : 9 x 16.5

ENGINE : 5.75 L gas, 6.9 L diesel

TRANSMISSION : Automatic

SUSPENSION : Leaf & coil spring

BRAKES : Disc & drum

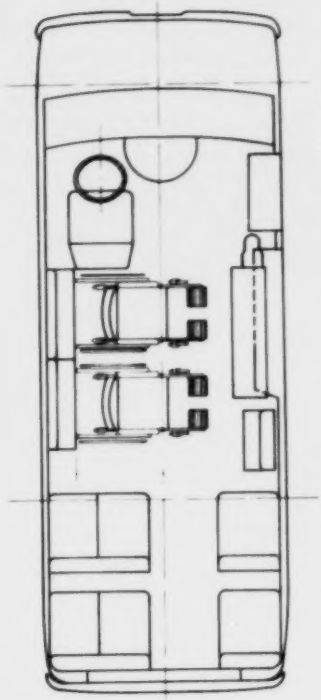
STEERING : Power

AIR CONDITIONING : Available

FUEL TANK CAPACITY : 75.6 L, 151.4 L

GROS VEHICLE WEIGHT : 4126.9 kg

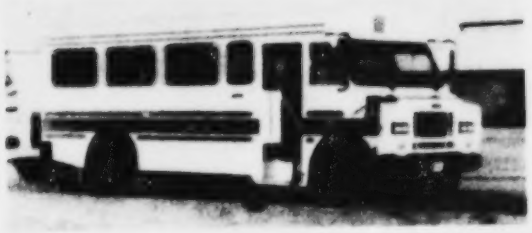
OPTIONS FOR THE MOBILITY IMPAIRED :
☐ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT



BODY-ON-CHASSIS

TYPE OF VEHICLE

Body-on-Chassis (GMC)



Patriot

MAKE AND MODEL

AmTran "Patriot"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 28

DIMENSIONS :
LENGTH : 6.86 m, 11.66 m
WIDTH : 2.44 m
HEIGHT : 3.07 – 3.12 m

WHEELBASE : 3.78 m, 6.96 m

MAXIMUM STEP HEIGHT : 35.6 cm

FLOOR HEIGHT : 83.8 cm

INTERIOR HEADROOM : 1.98 m

DOOR OPENING WIDTHS :
FRONT : 61 cm
REAR OR SIDE : —

TURNING RADIUS : —

TIRE SIZE : 9 x 22.5

ENGINE : GMC P6P042

TRANSMISSION : Allison automatic

SUSPENSION : Leaf spring

BRAKES : Hydraulic, air

STEERING : Power

AIR CONDITIONING : Available

FUEL TANK CAPACITY : 113.6 L, 227.1 L

GROSS VEHICLE WEIGHT : —

OPTIONS FOR THE MOBILITY IMPAIRED :
☐ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Body-on-Chassis

MAKE AND MODEL

AmTran "Vanguard"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 16

DIMENSIONS :
LENGTH : 5.16 m, 5.38 m
WIDTH : 2.44 m
HEIGHT : 2.62 m

WHEELBASE : 3.18 m, 3.51 m

MAXIMUM STEP HEIGHT : 30.5 cm

FLOOR HEIGHT : 66 cm

INTERIOR HEADROOM : 1.88 m

DOOR OPENING WIDTHS :
FRONT : 61 cm
REAR OR SIDE : —

TURNING RADIUS : 6.78 m

TIRE SIZE : 8 x 16.5

ENGINE : Ford, GMC

TRANSMISSION : Automatic

SUSPENSION : Leaf & coil spring

BRAKES : Hydraulic

STEERING : Power

AIR CONDITIONING : Available

FUEL TANK CAPACITY : 83.3 L

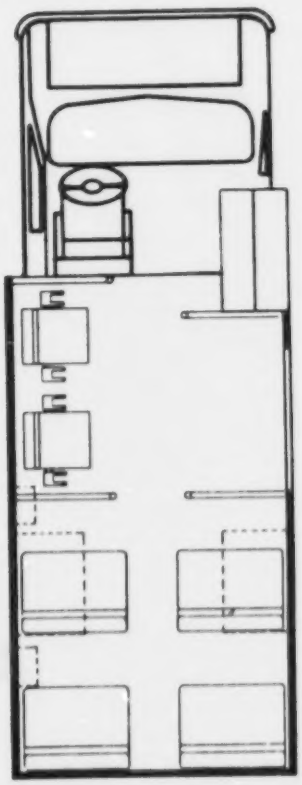
GROSS VEHICLE WEIGHT : 4988.5 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☐ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Body-on-Chassis (Ford)

Champion "TTA"



Optional floorplan of 6.1-metre Champion

MAKE AND MODEL

Champion "TTA"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 8 – 20 (2 wheelchair passengers)

DIMENSIONS :
LENGTH : 6.10 – 8.53 m
WIDTH : 2.36 m
HEIGHT : 2.74 m

WHEELBASE : 3.71 – 4.47 m

MAXIMUM STEP HEIGHT : 30.5 cm

FLOOR HEIGHT : 66 cm

INTERIOR HEADROOM : 1.93 m

DOOR OPENING WIDTHS :
FRONT : 81.3 cm
REAR OR SIDE : 1.04 – 1.27 cm

TURNING RADIUS : —

TIRE SIZE : 8.75 x 16

ENGINE : Gas, diesel, propane

TRANSMISSION : Automatic

SUSPENSION : Leaf & coil spring, air

BRAKES : Power disc & drum

STEERING : Power

AIR CONDITIONING : Available

FUEL TANK CAPACITY : 181.8 L

GROSS VEHICLE WEIGHT : 4535 – 6621.1 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☐ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Body-on-Chassis (Ford)

MAKE AND MODEL

Coach & Equipment "Challenger"

Challenger

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 20

DIMENSIONS :
LENGTH : 6.56 m
WIDTH : 2.36 m
HEIGHT : 2.72 m

WHEELBASE : 4.01 m

MAXIMUM STEP HEIGHT : 30.5 cm

FLOOR HEIGHT : 61 cm

INTERIOR HEADROOM : 1.93 m

DOOR OPENING WIDTHS :
FRONT : 66 cm
REAR OR SIDE : 76 cm

TURNING RADIUS : 8.21 m

TIRE SIZE : 8.75 x 16.5

ENGINE : Ford 7.5 L gas; 6.9 L diesel

TRANSMISSION : Automatic

SUSPENSION : Leaf & coil spring

BRAKES : Hydraulic

STEERING : Power

AIR CONDITIONING : Available

FUEL TANK CAPACITY : 182.3 L

GROSS VEHICLE WEIGHT : 4988.5 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☐ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Body-on-Chassis (Iveco)

Shadow

MAKE AND MODEL

Coach & Equipment "Shadow"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 27

DIMENSIONS :
- LENGTH : 8 m
- WIDTH : 2.36 m
- HEIGHT : 2.84 m

WHEELBASE : 4.42 m

MAXIMUM STEP HEIGHT : 38.1 cm

FLOOR HEIGHT : 99.1 cm

INTERIOR HEADROOM : 1.96 m

DOOR OPENING WIDTHS :
- FRONT : 68.6 cm
- REAR OR SIDE : 76 cm

TURNING RADIUS : 12.8 m

TIRE SIZE : 8.5 x 17.5

ENGINE : Iveco in-line 6, 5.83 L diesel

TRANSMISSION : Automatic A727

SUSPENSION : Leaf & coil spring

BRAKES : Hydraulic

STEERING : Power

AIR CONDITIONING : Available

FUEL TANK CAPACITY : 165 L

GROSS VEHICLE WEIGHT : 6711.8 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
- ☐ KNEELER
- ☑ WHEELCHAIR LIFT
- ☐ WHEELCHAIR RAMP
- ☑ WHEELCHAIR STATION
- ☑ WHEELCHAIR SECUREMENT
- ☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Body-on-Chassis (Ford)

Omni

MAKE AND MODEL

Collins "Omni"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 18

DIMENSIONS :
LENGTH : 6.22 m
WIDTH : 2.03 m
HEIGHT : 2.97 m

WHEELBASE : 3.51 m

MAXIMUM STEP HEIGHT : 30.5 cm

FLOOR HEIGHT : 66 cm

INTERIOR HEADROOM : 1.85 m

DOOR OPENING WIDTHS :
FRONT : 61 cm
REAR OR SIDE : 1.02 m

TURNING RADIUS : 7.32 m

TIRE SIZE : 9 x 16.5

ENGINE : Ford 6.8 L diesel

TRANSMISSION : Ford C6 automatic

SUSPENSION : Leaf & coil spring

BRAKES : Hydraulic

STEERING : Power

AIR CONDITIONING : A.R.A. Scott

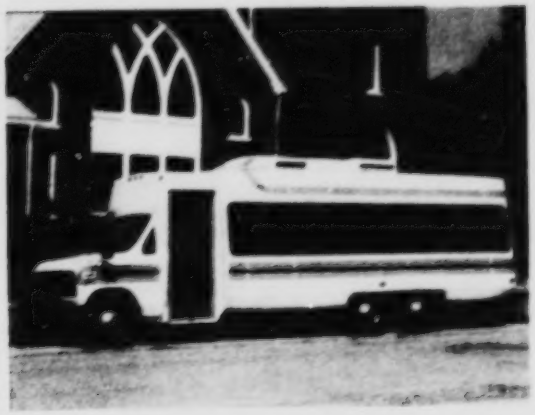
FUEL TANK CAPACITY : 151.4 L

GROSS VEHICLE WEIGHT : 2857.1 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☐ KNEELER
☑ WHEELCHAIR LIFT
☑ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Body-on-Chassis (Ford)



Diamond VIP 2800

MAKE AND MODEL

Coons "Diamond GT" & "VIP"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 15 – 29

DIMENSIONS :
LENGTH : 6.93 m, 8.36 m
WIDTH : 2.21 m, 2.41 m
HEIGHT : 2.67 m, 2.84 m

WHEELBASE : 3.51 m, 4.47 m

MAXIMUM STEP HEIGHT : 30.5 cm

FLOOR HEIGHT : 71.1 cm

INTERIOR HEADROOM : 1.84 m

DOOR OPENING WIDTHS :
FRONT : 73.7 cm
REAR OR SIDE : —

TURNING RADIUS : 8.53 m, 9.45 m

TIRE SIZE : 215/85R16

ENGINE : Gas, propane, diesel

TRANSMISSION : Automatic

SUSPENSION : Leaf & coil spring, air

BRAKES : Hydraulic

STEERING : Power XR50

AIR CONDITIONING : Suetrak, A.R.A.

FUEL TANK CAPACITY : 160.9 L

GROSS VEHICLE WEIGHT : 3854.8 kg, 4535 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☐ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Body-on-Chassis (Ford)

Falcon

MAKE AND MODEL

ElDorado "Falcon"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 21 – 29

DIMENSIONS :
LENGTH : 6.71 m, 8.99 m
WIDTH : 2.41 m
HEIGHT : 2.87 m

WHEELBASE : 4.01 m, 4.47 m

MAXIMUM STEP HEIGHT : 30.5 cm

FLOOR HEIGHT : 66 cm

INTERIOR HEADROOM : 1.92 m

DOOR OPENING WIDTHS :
FRONT : 61 cm
REAR OR SIDE : —

TURNING RADIUS : 8.53 m, 9.45 m

TIRE SIZE : 8.75 x 16.5

ENGINE : Ford 7.54 L gas; IHC diesel

TRANSMISSION : Ford C6 automatic

SUSPENSION : Leaf & coil spring

BRAKES : Hydraulic

STEERING : Power assisted

AIR CONDITIONING : Available

FUEL TANK CAPACITY : 151.4 L

GROSS VEHICLE WEIGHT : to 4036.2 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☐ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Body-on-Chassis (Ford)

MAKE AND MODEL

Funcraft

Funcraft

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 5 – 8 seated + 4 – 6 wheelchair passengers

DIMENSIONS :
LENGTH : 4.67 m, 5.28 m
WIDTH : 2.18 m
HEIGHT : 3.05 m

WHEELBASE : 3.5 m, 4.01 m

MAXIMUM STEP HEIGHT : 38.1 cm

FLOOR HEIGHT : 86.4 cm

INTERIOR HEADROOM : 1.83 m

DOOR OPENING WIDTHS :
FRONT : 63.5 cm
REAR OR SIDE : 107 cm, 132 cm

TURNING RADIUS : 4.57 m, 6.10 m

TIRE SIZE : LT 215/85R16

ENGINE : Gas, diesel, propane

TRANSMISSION : Automatic

SUSPENSION : Heavy duty

BRAKES : Power disc & drum

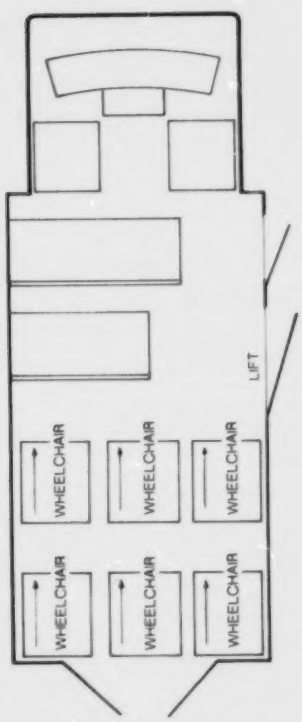
STEERING : Power

AIR CONDITIONING : Available

FUEL TANK CAPACITY : 130.6 L

GROSS VEHICLE WEIGHT : 4761.8 kg, 4988.5 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☐ KNEELER
☑ WHEELCHAIR LIFT
☑ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

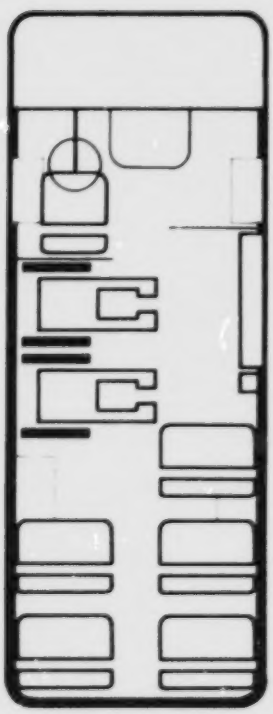


Optional floorplan for 4.01-m wheelbase

TYPE OF VEHICLE

Body-on-Chassis (Ford, Dodge, Chevrolet)

Bantam



12-passenger configuration, including two wheelchairs

MAKE AND MODEL

Girardin "Bantam"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 2 – 10 seated + 2 – 4 wheelchair passengers

DIMENSIONS :
LENGTH : 5.61 m, 6.20 m
WIDTH : 2 m
HEIGHT : 2.62 m

WHEELBASE : 3.24 m, 3.50 m

MAXIMUM STEP HEIGHT : 30.5 cm

FLOOR HEIGHT : 66 cm

INTERIOR HEADROOM : 1.6 m, 1.88 m

DOOR OPENING WIDTHS :
FRONT : 61 cm
REAR OR SIDE : 143 cm, 168 cm

TURNING RADIUS : 7.32 m

TIRE SIZE : 6.75 X 16.5

ENGINE : Gas, diesel, propane

TRANSMISSION : Automatic

SUSPENSION : Leaf & coil spring

BRAKES : Power disc & drum

STEERING : Power

AIR CONDITIONING : Available

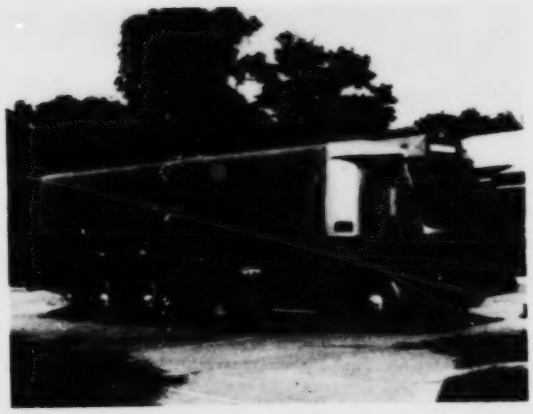
FUEL TANK CAPACITY : 132 L

GROSS VEHICLE WEIGHT : —

OPTIONS FOR THE MOBILITY IMPAIRED :
☐ KNEELER
☑ WHEELCHAIR LIFT
☑ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Body-on-Chassis (Iveco)



Goshen "280"

MAKE AND MODEL

Goshen Coach "280"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 29

DIMENSIONS :
LENGTH : 8.94 m
WIDTH : 2.44 m
HEIGHT : 2.91 m

WHEELBASE : 4.72 m

MAXIMUM STEP HEIGHT : 31.8 cm

FLOOR HEIGHT : 80.1 cm

INTERIOR HEADROOM : 1.97 m

DOOR OPENING WIDTHS :
FRONT : —
REAR OR SIDE : 1.07 m

TURNING RADIUS : 12.8 m

TIRE SIZE : 8.5 X 17.5

ENGINE : Iveco in-line 6, turbo diesel

TRANSMISSION : 5-speed manual

SUSPENSION : Leaf spring front & Mor/Ryde rear

BRAKES : Hydraulic

STEERING : Power, mechanical

AIR CONDITIONING : Trans Air

FUEL TANK CAPACITY : 137 L, 272.5 L

GROSS VEHICLE WEIGHT : 8231 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☐ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Body-on-Chassis (Ford)

MAKE AND MODEL

Goshen Coach "Sentry"

Goshen "Sentry"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 17

DIMENSIONS :
LENGTH : 7.11 m
WIDTH : 2.39 m
HEIGHT : 2.84 m

WHEELBASE : 4.01 m

MAXIMUM STEP HEIGHT : 31.8 cm

FLOOR HEIGHT : 80.1 cm

INTERIOR HEADROOM : 1.92 m

DOOR OPENING WIDTHS :
FRONT : —
REAR OR SIDE : 78.7 cm

TURNING RADIUS : —

TIRE SIZE : LT 215/85R16

ENGINE : Ford 7.54 L gas

TRANSMISSION : Ford C6 automatic

SUSPENSION : Leaf & coil spring

BRAKES : Disc & drum

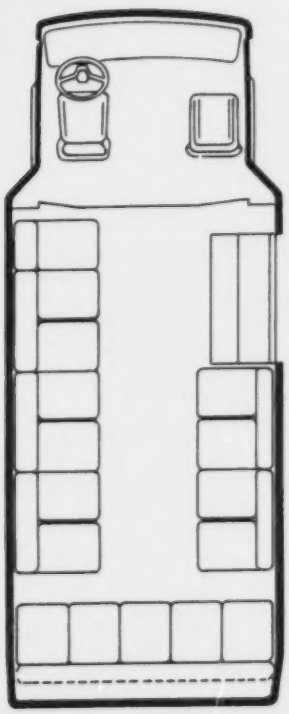
STEERING : Power XR50

AIR CONDITIONING : Trans Air

FUEL TANK CAPACITY : 151.4 L

GROSS VEHICLE WEIGHT : 4988.5 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☐ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT



TYPE OF VEHICLE

Body-on-Chassis (Ford, Dodge)

Escort II

MAKE AND MODEL

National Coach "Escort II"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 20

DIMENSIONS :
LENGTH : 6.96 m
WIDTH : 2.41 m
HEIGHT : 2.90 m

WHEELBASE : 4.01 m

MAXIMUM STEP HEIGHT : 33 cm

FLOOR HEIGHT : 68.6 cm

INTERIOR HEADROOM : 1.91 m

DOOR OPENING WIDTHS :
FRONT : 67.3 cm
REAR OR SIDE : 90.2 cm

TURNING RADIUS : 8.53 m

TIRE SIZE : LT 215/85R16

ENGINE : Ford 7.54 L gas; 6.9 L diesel

TRANSMISSION : Ford C6 automatic

SUSPENSION : Leaf & coil spring

BRAKES : Disc & drum

STEERING : Power

AIR CONDITIONING : Available

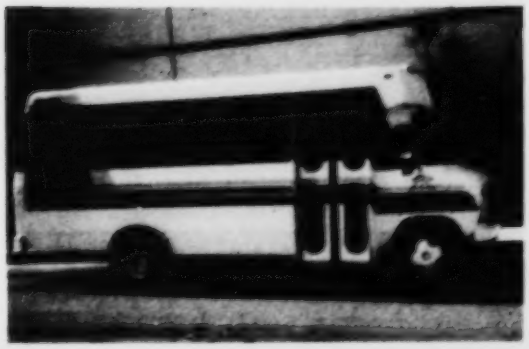
FUEL TANK CAPACITY : 151.4 L

GROSS VEHICLE WEIGHT : 3492 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☐ KNEELER
☑ WHEELCHAIR LIFT
☑ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Body-on-Chassis (Chevrolet)



C-20

MAKE AND MODEL

Specialty Vehicles "C-20"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 21

DIMENSIONS :
LENGTH : 6.58 m
WIDTH : 2.39 m
HEIGHT : 2.72 m

WHEELBASE : 4.01 m

MAXIMUM STEP HEIGHT : 30.5 cm

FLOOR HEIGHT : 66 cm

INTERIOR HEADROOM : 1.88 m

DOOR OPENING WIDTHS :
FRONT : —
REAR OR SIDE : 91.4 cm

TURNING RADIUS : —

TIRE SIZE : 8.75 x 16.5

ENGINE : Ford E-350 gas, diesel, propane

TRANSMISSION : 3-speed automatic

SUSPENSION : Leaf & coil spring

BRAKES : Hydraulic

STEERING : Power XR50

AIR CONDITIONING : Scott

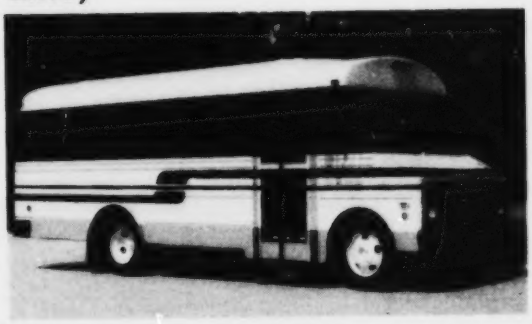
FUEL TANK CAPACITY : 151.4 L

GROSS VEHICLE WEIGHT : —

OPTIONS FOR THE MOBILITY IMPAIRED :
☑ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Body-on-Chassis (Chevrolet, GMC)



Mighty Mite

MAKE AND MODEL

Thomas "Mighty Mite"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 16 – 28

DIMENSIONS :
LENGTH : 5.72 – 7.42 m
WIDTH : 2.44 m
HEIGHT : 2.90 m

WHEELBASE : 3.17 – 3.99 m

MAXIMUM STEP HEIGHT : 30.5 cm

FLOOR HEIGHT : 66 cm

INTERIOR HEADROOM : 1.85 m, 1.98 m

DOOR OPENING WIDTHS :
FRONT : 76.2 cm
REAR OR SIDE : 81.3 cm

TURNING RADIUS : —

TIRE SIZE : 8.75 X 16.5

ENGINE : Gas, diesel

TRANSMISSION : Automatic, manual

SUSPENSION : Leaf & coil spring, air

BRAKES : Power disc & drum

STEERING : Power

AIR CONDITIONING : Available

FUEL TANK CAPACITY : 227.3 L

GROSS VEHICLE WEIGHT : —

OPTIONS FOR THE MOBILITY IMPAIRED :
☐ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Body-on-Chassis

Minotour I

MAKE AND MODEL

Thomas "Minotour I"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 12

DIMENSIONS :
LENGTH : 5.57 m
WIDTH : 2.44 m
HEIGHT : 2.75 m

WHEELBASE : 3.51 m

MAXIMUM STEP HEIGHT : 35.6 cm

FLOOR HEIGHT : 66 cm

INTERIOR HEADROOM : 1.85 m

DOOR OPENING WIDTHS :
FRONT : 61 cm
REAR OR SIDE : 83.8 cm

TURNING RADIUS : —

TIRE SIZE : 8.75 x 16.5

ENGINE : Gas, diesel

TRANSMISSION : Automatic

SUSPENSION : Leaf & coil spring

BRAKES : Hydraulic

STEERING : Power

AIR CONDITIONING : Available

FUEL TANK CAPACITY : 100 L

GROSS VEHICLE WEIGHT : 4535 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☐ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Body-on-Chassis (Ford, Chevrolet)

Terra Transit "TTV-E"

MAKE AND MODEL

Turtle Top Terra Transit "TTV-E"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 15 – 29

DIMENSIONS :
LENGTH : 6.34 m, 7.11 m
WIDTH : 2.39 m
HEIGHT : 2.44 m, 2.92 m

WHEELBASE : 3.18 – 4.01 m

MAXIMUM STEP HEIGHT : 30.5 cm

FLOOR HEIGHT : 73.7 cm

INTERIOR HEADROOM : 1.88 m

DOOR OPENING WIDTHS :
FRONT : —
REAR OR SIDE : 1.02 m

TURNING RADIUS : 7.45 m

TIRE SIZE : 9 x 16.5

ENGINE : Gas, diesel

TRANSMISSION : 3-speed automatic

SUSPENSION : Leaf & coil spring

BRAKES : Hydraulic

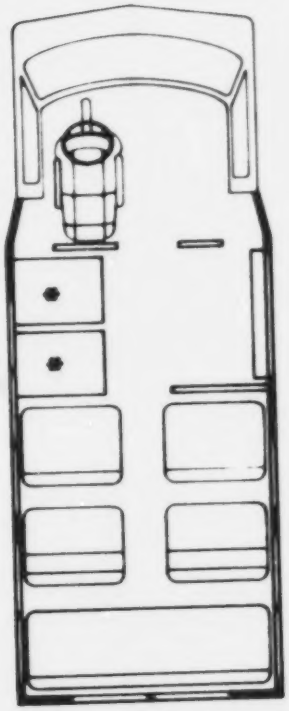
STEERING : Power

AIR CONDITIONING : Available

FUEL TANK CAPACITY : 151.4 L

GROSS VEHICLE WEIGHT : —

OPTIONS FOR THE MOBILITY IMPAIRED :
☐ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT



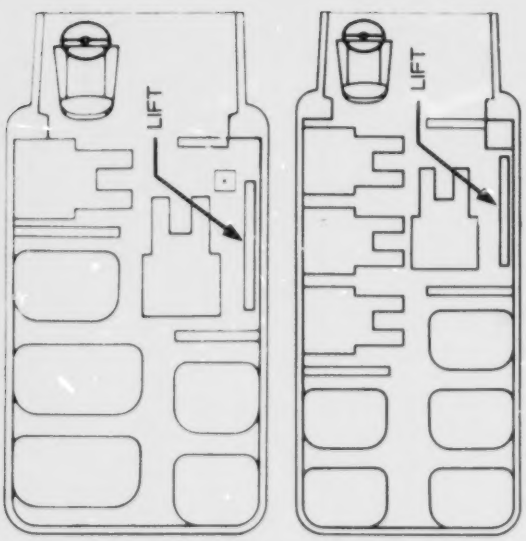
15-passenger configuration, including two wheelchair stations

TYPE OF VEHICLE

Body-on-Chassis (Chevrolet, GMC)

Chaperone

Chaperone II



Left, **Chaperone: 14-passenger configuration, including two wheelchair passengers**

Right, **Chaperone II: 14-passenger configuration, including four wheelchair passengers**

MAKE AND MODEL

Wayne "Chaperone", "Chaperone II"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 11 – 15 (2 – 4 wheelchair passengers)

DIMENSIONS :
LENGTH : 5.43 m, 6.55 m
WIDTH : 2.43 m
HEIGHT : 2.64 m, 2.77 m

WHEELBASE : 3.18 m, 4.01 m

MAXIMUM STEP HEIGHT : 24.1 cm, 25.4 cm

FLOOR HEIGHT : 62.2 cm, 63.5 cm

INTERIOR HEADROOM : 1.93 m, 1.85 m

DOOR OPENING WIDTHS :
FRONT : 61 cm
REAR OR SIDE : 88.9 cm

TURNING RADIUS : 7.34 m, 8.49 m

TIRE SIZE : 8 x 16.5, 8.75 x 16.5

ENGINE : Gas, diesel, propane

TRANSMISSION : Automatic

SUSPENSION : Leaf & coil spring

BRAKES : Power disc & drum

STEERING : Power

AIR CONDITIONING : Available

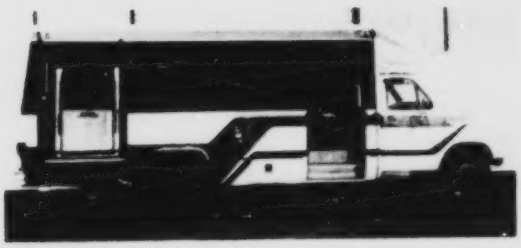
FUEL TANK CAPACITY : 150 L, 181.8 L

GROSS VEHICLE WEIGHT : 4535 kg, 5237.9 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☐ KNEELER
☑ WHEELCHAIR LIFT
☑ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Body-on-Chassis (Ford)



1900WC

MAKE AND MODEL

Wheeled Coach "1900WC"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 15 seated + 2 wheelchair passengers

DIMENSIONS :
LENGTH : 7.52 m
WIDTH : 2.43 m
HEIGHT : 2.84 m

WHEELBASE : —

MAXIMUM STEP HEIGHT : 33 cm

FLOOR HEIGHT : 68.6 cm

INTERIOR HEADROOM : 1.93 m

DOOR OPENING WIDTHS :
FRONT : 88.9 cm
REAR OR SIDE : 83.8 cm

TURNING RADIUS : 7.92 m

TIRE SIZE : 8 x 16

ENGINE : Ford 7.54 L gas, diesel

TRANSMISSION : 3-speed automatic

SUSPENSION : Leaf & coil spring, air

BRAKES : Power disc & drum

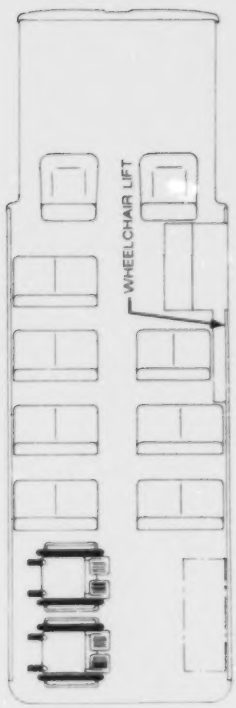
STEERING : Power

AIR CONDITIONING : Available

FUEL TANK CAPACITY : 113.7 L

GROSS VEHICLE WEIGHT : —

OPTIONS FOR THE MOBILITY IMPAIRED :
☐ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT



Optional floorplan

TYPE OF VEHICLE

Small Bus

Blue Bird "MT-30"

MAKE AND MODEL

Blue Bird "MT-30"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 31

DIMENSIONS :
LENGTH : 9.72 m
WIDTH : 2.44 m
HEIGHT : 3 m

WHEELBASE : 4.37 m

MAXIMUM STEP HEIGHT : 36.8 cm

FLOOR HEIGHT : 77.4 cm

INTERIOR HEADROOM : 1.93 m

DOOR OPENING WIDTHS :
FRONT : 88.9 cm
REAR OR SIDE : 78.7 cm

TURNING RADIUS : 10.06 m

TIRE SIZE : 11 x 22.5

ENGINE : Detroit 6V71N diesel

TRANSMISSION : Allison MT644 automatic

SUSPENSION : Air

BRAKES : Air

STEERING : Ross Power

AIR CONDITIONING : Thermo King

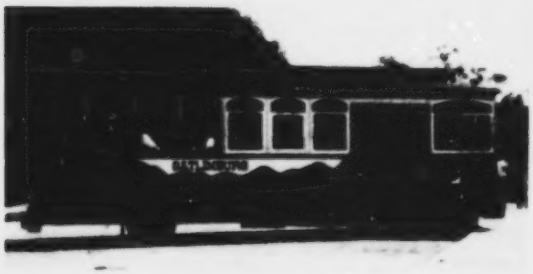
FUEL TANK CAPACITY : 374.8 L

GROSS VEHICLE WEIGHT : —

OPTIONS FOR THE MOBILITY IMPAIRED :
- ☑ KNEELER
- ☑ WHEELCHAIR LIFT
- ☐ WHEELCHAIR RAMP
- ☑ WHEELCHAIR STATION
- ☑ WHEELCHAIR SECUREMENT
- ☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Small Bus



MAKE AND MODEL

Boyertown "Trolley Bus"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 16 – 35

DIMENSIONS :
LENGTH : 5.92 – 8 m
WIDTH : 2.44 m
HEIGHT : 3.2 – 3.3 m

WHEELBASE : 3.18 – 5.97 m

MAXIMUM STEP HEIGHT : 30.5 – 38.1 cm

FLOOR HEIGHT : 78.7 – 86.3 cm

INTERIOR HEADROOM : 2.29 m

DOOR OPENING WIDTHS :
FRONT : 122 cm
REAR OR SIDE : 61 cm

TURNING RADIUS : —

TIRE SIZE : 8.25 x 20

ENGINE : Chevrolet 6.2 L gas, 8.2 L diesel

TRANSMISSION : Allison AT545, automatic

SUSPENSION : Air, leaf spring

BRAKES : Air

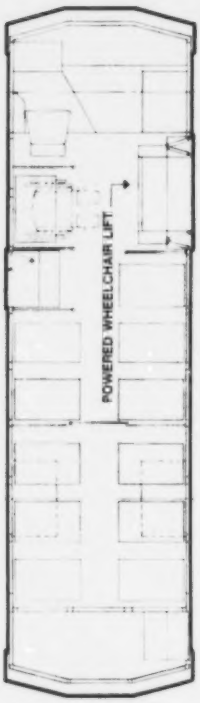
STEERING : Saginaw POWER

AIR CONDITIONING : AC/Delco

FUEL TANK CAPACITY : 113.6 L, 227.1 L

GROSS VEHICLE WEIGHT : 7936.3 kg

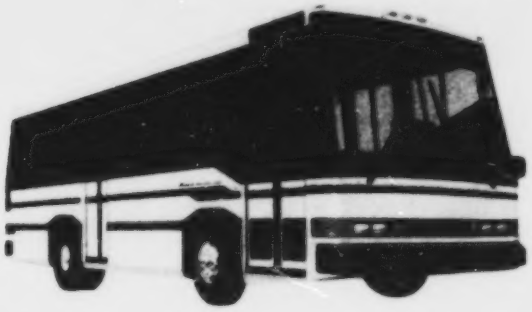
OPTIONS FOR THE MOBILITY IMPAIRED :
☐ KNEELER
☑ WHEELCHAIR LIFT
☑ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT



24-passenger configuration

TYPE OF VEHICLE

Small Bus



Ameribus

MAKE AND MODEL

Chance Coach Inc. "Ameribus"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 30

DIMENSIONS :
LENGTH : 8.84 m
WIDTH : 2.44 m
HEIGHT : 3 m

WHEELBASE : 4.19 m

MAXIMUM STEP HEIGHT : 30.5 cm

FLOOR HEIGHT : 81.3 cm

INTERIOR HEADROOM : 2.08 m

DOOR OPENING WIDTHS :
FRONT : 99 cm
REAR OR SIDE : 83.8 cm

TURNING RADIUS : 9.75 m

TIRE SIZE : 9 x 20

ENGINE : Caterpillar diesel

TRANSMISSION : Allison automatic

SUSPENSION : Air

BRAKES : Air

STEERING : Power

AIR CONDITIONING : Thermo King T-2

FUEL TANK CAPACITY : 380 L

GROSS VEHICLE WEIGHT : 11 336 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☑ KNEELER
☑ WHEELCHAIR LIFT
☑ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Small Bus

MAKE AND MODEL

Chance Coach Inc. "RT-50"

RT-50

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 25

DIMENSIONS :
LENGTH : 7.90 m
WIDTH : 2.44 m
HEIGHT : 3.05 m

WHEELBASE : 4.27 m

MAXIMUM STEP HEIGHT : 35.6 cm

FLOOR HEIGHT : 81.3 cm

INTERIOR HEADROOM : 1.92 m

DOOR OPENING WIDTHS :
FRONT : —
REAR OR SIDE : —

TURNING RADIUS : —

TIRE SIZE : 8.25 x 20

ENGINE : Caterpillar diesel

TRANSMISSION : Allison AT545 automatic

SUSPENSION : Air

BRAKES : Air

STEERING : Ross Power

AIR CONDITIONING : Thermo King B1

FUEL TANK CAPACITY : 260 L

GROSS VEHICLE WEIGHT : 9975.5 kg

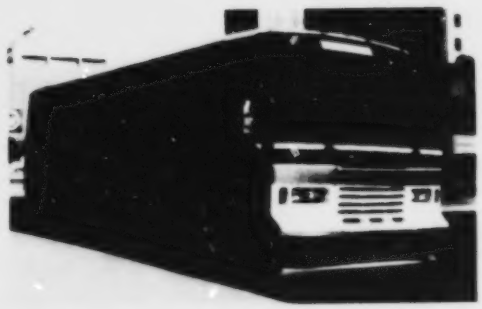
OPTIONS FOR THE MOBILITY IMPAIRED :
☑ KNEELER
☑ WHEELCHAIR LIFT
☑ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Small Bus

MAKE AND MODEL

ElDorado "MST"



MST

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 35

DIMENSIONS :
LENGTH : 9.50 m
WIDTH : 2.44 m
HEIGHT : 2.90 m

WHEELBASE : 5.49 m

MAXIMUM STEP HEIGHT : 30.5 cm

FLOOR HEIGHT : 66 cm

INTERIOR HEADROOM : 1.91 m

DOOR OPENING WIDTHS :
FRONT : 76.2 cm
REAR OR SIDE : —

TURNING RADIUS : —

TIRE SIZE : 255/70R16.5

ENGINE : Detroit diesel

TRANSMISSION : Allison AT545 automatic

SUSPENSION : Air, leaf

BRAKES : Hydraulic

STEERING : Power

AIR CONDITIONING : Ind. 763

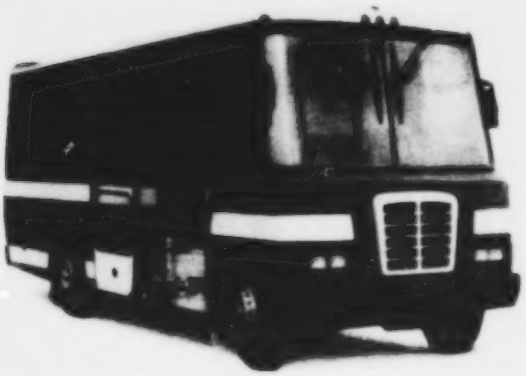
FUEL TANK CAPACITY : 227.1 L

GROSS VEHICLE WEIGHT : 5986.2 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☐ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Small Bus



Irizar Transit Coach

MAKE AND MODEL

Irizar Transit Coach

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 31

DIMENSIONS :
LENGTH : 7.72 m
WIDTH : 2.41 m
HEIGHT : 3.15 m

WHEELBASE : 4.24 m

MAXIMUM STEP HEIGHT : 34.3 cm

FLOOR HEIGHT : 74.9 cm

INTERIOR HEADROOM : 1.88 m

DOOR OPENING WIDTHS :
FRONT : 1.02 m
REAR OR SIDE : —

TURNING RADIUS : 16.76 m

TIRE SIZE : 8.25 x 20

ENGINE : Detroit 8.2 L diesel

TRANSMISSION : Allison AT545 automatic

SUSPENSION : Leaf

BRAKES : Air

STEERING : ZFS2 Power

AIR CONDITIONING : Available

FUEL TANK CAPACITY : 227.1 L

GROSS VEHICLE WEIGHT : 6538.1 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☐ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Small Bus

MAKE AND MODEL

MCR "8200DL"

MCR "8200DL"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 18 seated + 2 wheelchair passengers

DIMENSIONS :
- LENGTH : 8.84 m
- WIDTH : 2.50 m
- HEIGHT : 2.69 m

WHEELBASE : 5.13 m

MAXIMUM STEP HEIGHT : 35.6 cm

FLOOR HEIGHT : 35.6 cm

INTERIOR HEADROOM : 2.26 m

DOOR OPENING WIDTHS :
- FRONT : 66 cm
- REAR OR SIDE : 102 cm

TURNING RADIUS : 9.14 m

TIRE SIZE : 11/70R22.5

ENGINE : Detroit 8.2 L diesel

TRANSMISSION : Allison MTB643 automatic

SUSPENSION : Air

BRAKES : Air

STEERING : Power

AIR CONDITIONING : Suetrak

FUEL TANK CAPACITY : 378.5 L

GROSS VEHICLE WEIGHT : 11 289.9 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
- ☑ KNEELER
- ☑ WHEELCHAIR LIFT
- ☐ WHEELCHAIR RAMP
- ☑ WHEELCHAIR STATION
- ☑ WHEELCHAIR SECUREMENT
- ☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Small Bus

MAKE AND MODEL

National Coach "Transmark"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 32

DIMENSIONS :
LENGTH : 9.75 m
WIDTH : 2.44 m
HEIGHT : 2.95 m

WHEELBASE : 4.5 m

MAXIMUM STEP HEIGHT : 35.6 cm

FLOOR HEIGHT : 76.2 cm

INTERIOR HEADROOM : 2 m

DOOR OPENING WIDTHS :
FRONT : 86.4 cm
REAR OR SIDE : 99.1 cm

TURNING RADIUS : 9.14 m

TIRE SIZE : 255/70R22.5

ENGINE : Detroit 8.2 L diesel

TRANSMISSION : Allison MT643 automatic

SUSPENSION : Air

BRAKES : Air

STEERING : Ross Power

AIR CONDITIONING : Thermo King

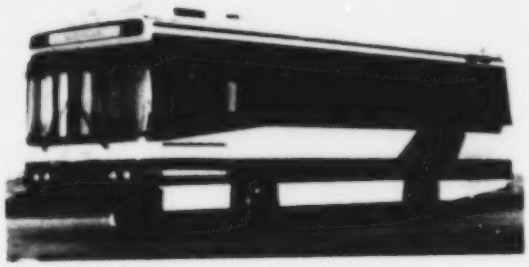
FUEL TANK CAPACITY : 378.5 L

GROSS VEHICLE WEIGHT : 8163 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☑ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Small Bus



Neoplan "Litl'Bus"

MAKE AND MODEL

Neoplan "Litl'Bus"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 27

DIMENSIONS :
LENGTH : 7.92 m
WIDTH : 2.59 m
HEIGHT : 2.67 m

WHEELBASE : 3.53 m

MAXIMUM STEP HEIGHT : 35.6 cm

FLOOR HEIGHT : 61 cm

INTERIOR HEADROOM : 1.91 m

DOOR OPENING WIDTHS :
FRONT : 82.9 cm
REAR OR SIDE : 82.9 cm

TURNING RADIUS : 7.62 m

TIRE SIZE : 9.5 x 17.5

ENGINE : Detroit 8.2 L diesel

TRANSMISSION : Allison AT545 automatic

SUSPENSION : Air

BRAKES : Air

STEERING : ZF 8043 Power

AIR CONDITIONING : Suetrak

FUEL TANK CAPACITY : 227.1 L

GROSS VEHICLE WEIGHT : 6285.5 kg

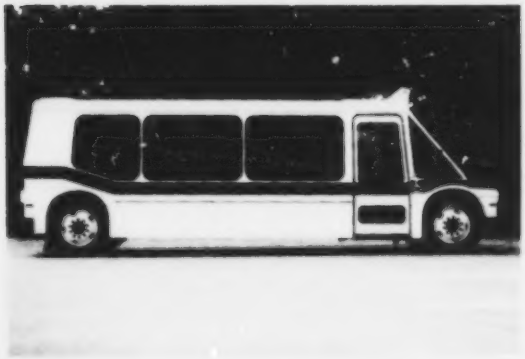
OPTIONS FOR THE MOBILITY IMPAIRED :
☑ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATIONS
☑ WHEELCHAIR SECUREMENT
☐ FLIP-DOWN SEAT

TYPE OF VEHICLE

Small Bus

MAKE AND MODEL

Ontario Bus Industries "Orion II"



Orion II

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 26 (7 – 10 wheelchair passengers)

DIMENSIONS :
LENGTH : 7.90 m
WIDTH : 2.44 m
HEIGHT : 2.54 m

WHEELBASE : —

MAXIMUM STEP HEIGHT : 30.5 cm

FLOOR HEIGHT : 30.5 cm

INTERIOR HEADROOM : 1.96 m

DOOR OPENING WIDTHS :
FRONT : 91.4 cm
REAR OR SIDE : 102 cm

TURNING RADIUS : —

TIRE SIZE : 255/80R22.5

ENGINE : Detroit 8.2 L diesel

TRANSMISSION : Allison AT545 automatic

SUSPENSION : Air

BRAKES : Air

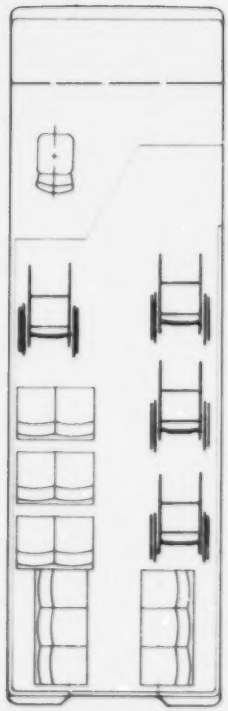
STEERING : ZF Power

AIR CONDITIONING : 11 341 kcal

FUEL TANK CAPACITY : 189.3 L

GROSS VEHICLE WEIGHT : 8392 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
- [x] KNEELER
- [ ] WHEELCHAIR LIFT
- [x] WHEELCHAIR RAMP
- [x] WHEELCHAIR STATION
- [x] WHEELCHAIR SECUREMENT
- [x] FLIP-DOWN SEAT



Optional layout with 12 seats and four wheelchair stations

TYPE OF VEHICLE

Small Bus

MAKE AND MODEL

Skillcraft "Transmaster"

Skillcraft "Transmaster"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 23 – 31

DIMENSIONS :
LENGTH : 8.84 – 10.36 m
WIDTH : 2.44 m
HEIGHT : 2.57 m

WHEELBASE : 6.4 m

MAXIMUM STEP HEIGHT : 27.9 cm

FLOOR HEIGHT : 68.5 cm

INTERIOR HEADROOM : 1.98 m

DOOR OPENING WIDTHS :
FRONT : 88.9 cm
REAR OR SIDE : —

TURNING RADIUS : 7.62 m, 10.97 m

TIRE SIZE : 255/70R22.5

ENGINE : Detroit 8.2 L, 6.7 L, diesel; Caterpillar 3208

TRANSMISSION : Allison MT643, AT545 automatic

SUSPENSION : Leaf spring

BRAKES : Air

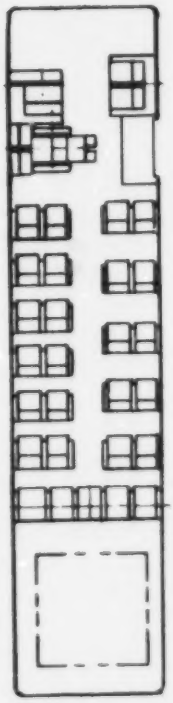
STEERING : Power

AIR CONDITIONING : Available

FUEL TANK CAPACITY : 181.8 L

GROSS VEHICLE WEIGHT : 7596 kg, 8163 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☐ KNEELER
☐ WHEELCHAIR LIFT
☑ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT



31-passenger model

TYPE OF VEHICLE

Small Bus

MAKE AND MODEL

Steyr "City-Bus"

Steyr "City-Bus"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 15

DIMENSIONS :
LENGTH : 5.82 m
WIDTH : 2.03 m
HEIGHT : 2.49 m

WHEELBASE : 3.3 m

MAXIMUM STEP HEIGHT : 33 cm

FLOOR HEIGHT : 73.6 cm

INTERIOR HEADROOM : 2.08 m

DOOR OPENING WIDTHS :
FRONT : —
REAR OR SIDE : 1.24 m

TURNING RADIUS : 17.35 m

TIRE SIZE : 205R14

ENGINE : Mercedes-Benz OM 616 diesel

TRANSMISSION : 4-speed semi-automatic

SUSPENSION : Air & coil spring

BRAKES : Hydraulic

STEERING : ZF Power

AIR CONDITIONING : Konvekta

FUEL TANK CAPACITY : 75 L

GROSS VEHICLE WEIGHT : 4400 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☐ KNEELER
☐ WHEELCHAIR LIFT
☑ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☐ FLIP-DOWN SEAT

TYPE OF VEHICLE

Small Bus

MAKE AND MODEL

Transit Bus "MRT-30"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 31

DIMENSIONS :
LENGTH : 10.21 m
WIDTH : 2.44 m
HEIGHT : 3.00 m

WHEELBASE : 5 m

MAXIMUM STEP HEIGHT : 30.5 cm

FLOOR HEIGHT : 76.3 cm

INTERIOR HEADROOM : 1.93 m

DOOR OPENING WIDTHS :
FRONT : 83.8 cm
REAR OR SIDE : 117 cm

TURNING RADIUS : 8.41 m

TIRE SIZE : 8.25 x 20

ENGINE : Isuzu 6BD1

TRANSMISSION : Allison AT545 automatic

SUSPENSION : Air, leaf

BRAKES : Air

STEERING : Power

AIR CONDITIONING : Available

FUEL TANK CAPACITY : 227.1 L

GROSS VEHICLE WEIGHT : 6711.8 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☐ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

LARGE BUS

TYPE OF VEHICLE

Large Bus

Orion

MAKE AND MODEL

Bus Industries "Orion"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 40

DIMENSIONS :
LENGTH : 12.12 m
WIDTH : 2.44 m
HEIGHT : 2.90 m

WHEELBASE : 7.37 m

MAXIMUM STEP HEIGHT : 36.8 cm

FLOOR HEIGHT : 86.5 cm

INTERIOR HEADROOM : 1.98 m

DOOR OPENING WIDTHS :
FRONT : 86.4 cm
REAR OR SIDE : 66 cm

TURNING RADIUS : 12.32 m

TIRE SIZE : 12.5 x 22.5

ENGINE : Detroit 6V92TA/TAC diesel

TRANSMISSION : Allison MT644 automatic

SUSPENSION : Air

BRAKES : Air

STEERING : Ross Power

AIR CONDITIONING : Thermo King

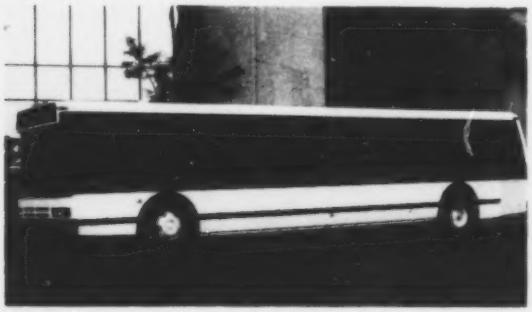
FUEL TANK CAPACITY : 474 L

GROSS VEHICLE WEIGHT : 10 859 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☑ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Large Bus



Flxible "Metro"

MAKE AND MODEL

Flxible "Metro"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 48

DIMENSIONS :
LENGTH : 12.19 m
WIDTH : 2.59 m
HEIGHT : 3.10 m

WHEELBASE : 7.59 m

MAXIMUM STEP HEIGHT : 35.6 cm

FLOOR HEIGHT : 76.2 cm

INTERIOR HEADROOM : 1.99 m

DOOR OPENING WIDTHS :
FRONT : 77.5 cm
REAR OR SIDE : 66 cm

TURNING RADIUS : 13.41 m

TIRE SIZE : 255/80R22.5

ENGINE : Detroit 6V92TA diesel

TRANSMISSION : Allison V-731 automatic

SUSPENSION : Air

BRAKES : Air

STEERING : Power

AIR CONDITIONING : Thermo King

FUEL TANK CAPACITY : 568.2 L

GROSS VEHICLE WEIGHT : 11 678 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☑ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☐ FLIP-DOWN SEAT

TYPE OF VEHICLE

Large Bus

Flyer "D-902"

MAKE AND MODEL

Flyer "D-901", "D-902"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 44 – 50

DIMENSIONS :
LENGTH : 10.67 m, 12.19 m
WIDTH : 2.44 m, 2.59 m
HEIGHT : 3.05 m

WHEELBASE : 6.93 – 7.23 m

MAXIMUM STEP HEIGHT : 37.3 cm

FLOOR HEIGHT : 88.9 cm

INTERIOR HEADROOM : 1.77 – 1.83 m

DOOR OPENING WIDTHS :
FRONT : 82.6 cm
REAR OR SIDE : 66 cm

TURNING RADIUS : 12.8 m

TIRE SIZE : 12.5 x 22.5

ENGINE : Detroit diesel

TRANSMISSION : Allison automatic

SUSPENSION : Air

BRAKES : Air

STEERING : Sheppard Power

AIR CONDITIONING : Trane

FUEL TANK CAPACITY : 488 L

GROSS VEHICLE WEIGHT : 10 657 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☑ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Large Bus

MAKE AND MODEL

Gillig

Gillig

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 33 – 51

DIMENSIONS :
LENGTH : 12.19 m
WIDTH : 2.59 m
HEIGHT : 3.05 m

WHEELBASE : 7.09 m

MAXIMUM STEP HEIGHT : 35.6 cm

FLOOR HEIGHT : 81.3 cm

INTERIOR HEADROOM : 1.99 m

DOOR OPENING WIDTHS :
FRONT : 94 cm
REAR OR SIDE : 76.2 cm

TURNING RADIUS : 13.41 m

TIRE SIZE : 12.5 x 22.5

ENGINE : Detroit 6V92TA diesel

TRANSMISSION : Allison HT747 4-speed automatic

SUSPENSION : Air

BRAKES : Air

STEERING : Ross Power

AIR CONDITIONING : Trane / Thermo King

FUEL TANK CAPACITY : —

GROSS VEHICLE WEIGHT : 11 428 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☑ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☐ FLIP-DOWN SEAT

TYPE OF VEHICLE

Large Bus

GMC "Classic"

MAKE AND MODEL

GMC "Classic"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 52

DIMENSIONS :
LENGTH : 12.19 m
WIDTH : 2.59 m
HEIGHT : 3.05 m

WHEELBASE : 7.23 m

MAXIMUM STEP HEIGHT : 41.2 cm

FLOOR HEIGHT : 81.8 cm

INTERIOR HEADROOM : 1.94 – 1.99 m

DOOR OPENING WIDTHS :
FRONT : 1.11 cm
REAR OR SIDE : 67.3 cm

TURNING RADIUS : 11.48 m

TIRE SIZE : 12 x 22.5, 11 x 20

ENGINE : Detroit 6V71N diesel

TRANSMISSION : Allison V731 automatic

SUSPENSION : Air

BRAKES : Air

STEERING : Saginaw 572D manual

AIR CONDITIONING : Available

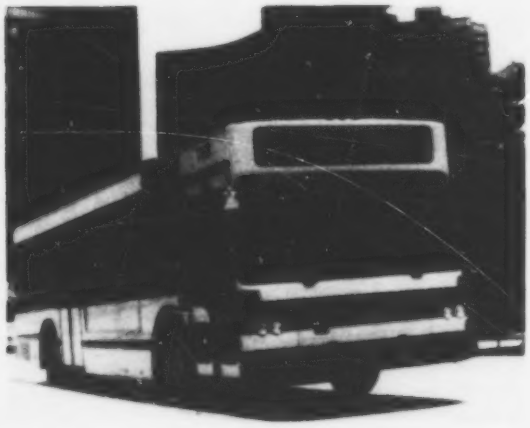
FUEL TANK CAPACITY : 378.5 L

GROSS VEHICLE WEIGHT : 9784 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☑ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☐ FLIP-DOWN SEAT

TYPE OF VEHICLE

Large Bus



Americana

MAKE AND MODEL

M.A.N. "Americana"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 48

DIMENSIONS :
LENGTH : 12.19 m
WIDTH : 2.44 – 2.59 m
HEIGHT : 3.05 m

WHEELBASE : 6.5 m

MAXIMUM STEP HEIGHT : 30.5 cm

FLOOR HEIGHT : 76.3 cm

INTERIOR HEADROOM : 1.98 m

DOOR OPENING WIDTHS :
FRONT : 1.14 m
REAR OR SIDE : 1.14 m

TURNING RADIUS : 13.38 m

TIRE SIZE : 12.5 x 22.5

ENGINE : M.A.N. D2566 diesel

TRANSMISSION : Renk 874B automatic

SUSPENSION : Air

BRAKES : Air

STEERING : ZF Power

AIR CONDITIONING : Thermo King

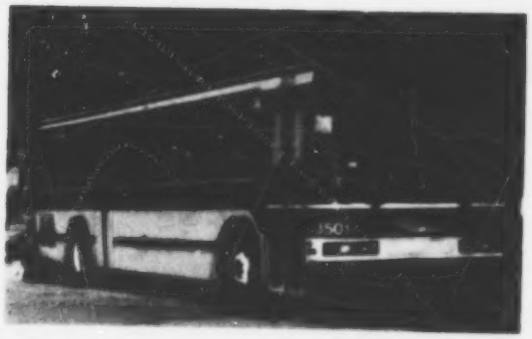
FUEL TANK CAPACITY : 473.2 L

GROSS VEHICLE WEIGHT : —

OPTIONS FOR THE MOBILITY IMPAIRED :
☑ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Large Bus



Neoplan "AN 440"

MAKE AND MODEL

Neoplan "AN 440"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 44

DIMENSIONS :
- LENGTH : 12.19 m
- WIDTH : 2.59 m
- HEIGHT : 3.41 m

WHEELBASE : 6.91 m

MAXIMUM STEP HEIGHT : 35.6 cm

FLOOR HEIGHT : 79.2 cm

INTERIOR HEADROOM : 1.98 m

DOOR OPENING WIDTHS :
- FRONT : 81.3 cm
- REAR OR SIDE : 81.3 cm

TURNING RADIUS : 13.14 m

TIRE SIZE : 12.5 x 22.5

ENGINE : Detroit 6V92TA diesel

TRANSMISSION : Allison HT747 automatic

SUSPENSION : Air

BRAKES : Air

STEERING : ZF power

AIR CONDITIONING : Suetrak

FUEL TANK CAPACITY : 568.2 L

GROSS VEHICLE WEIGHT : 12 517 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
- ☑ KNEELER
- ☑ WHEELCHAIR LIFT
- ☐ WHEELCHAIR RAMP
- ☑ WHEELCHAIR STATION
- ☑ WHEELCHAIR SECUREMENT
- ☐ FLIP-DOWN SEAT

TYPE OF VEHICLE

Large Bus

MAKE AND MODEL

Saab-Scania "CN112"

Scania "CN112"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 48

DIMENSIONS :
LENGTH : 12.19 m
WIDTH : 2.59 m
HEIGHT : 3.05 m

WHEELBASE : 6.91 m

MAXIMUM STEP HEIGHT : 35.6 cm

FLOOR HEIGHT : 96.6 cm

INTERIOR HEADROOM : 2.19 m

DOOR OPENING WIDTHS :
FRONT : —
REAR OR SIDE : 1.14 m

TURNING RADIUS : 11.28 m

TIRE SIZE : 12R22.5

ENGINE : Scania DS 1116 turbo diesel

TRANSMISSION : Scania 4-speed automatic

SUSPENSION : Air

BRAKES : Air

STEERING : Scania Power

AIR CONDITIONING : Thermo King

FUEL TANK CAPACITY : 283.9 L

GROSS VEHICLE WEIGHT : 9977 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☑ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Large Bus

Sabre "LAG350T"

MAKE AND MODEL

Sabre "LAG350T"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 49

DIMENSIONS :
LENGTH : 12.19 m
WIDTH : 2.50 m
HEIGHT : 3.40 m

WHEELBASE : 5.89 m

MAXIMUM STEP HEIGHT : 40.6 cm

FLOOR HEIGHT : —

INTERIOR HEADROOM : 1.96 m

DOOR OPENING WIDTHS :
FRONT : 92 cm
REAR OR SIDE : 92 cm

TURNING RADIUS : 11.89 m

TIRE SIZE : 275 x 80

ENGINE : Cummins 10 L turbo diesel

TRANSMISSION : Synchromesh manual, automatic

SUSPENSION : Air

BRAKES : Air

STEERING : ZF 8066 power

AIR CONDITIONING : Ac Ind.

FUEL TANK CAPACITY : 531.9 L

GROSS VEHICLE WEIGHT : 14 512 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☑ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☐ FLIP-DOWN SEAT

TYPE OF VEHICLE

Large Bus

Setra "S 216 HDS"

MAKE AND MODEL

Setra "S 216 HDS"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 63

DIMENSIONS :
LENGTH : 12 m
WIDTH : 2.50 m
HEIGHT : 3.63 m

WHEELBASE : 5.48 m

MAXIMUM STEP HEIGHT : 36 cm

FLOOR HEIGHT : —

INTERIOR HEADROOM : 2 m

DOOR OPENING WIDTHS :
FRONT : 84.8 cm
REAR OR SIDE : 84.8 cm

TURNING RADIUS : 20.3 m

TIRE SIZE : 12.5 x 22.5

ENGINE : Daimler-Benz OM422 diesel

TRANSMISSION : Automatic ZF 8-speed

SUSPENSION : Air

BRAKES : Air

STEERING : ZF 8043 power

AIR CONDITIONING : Available

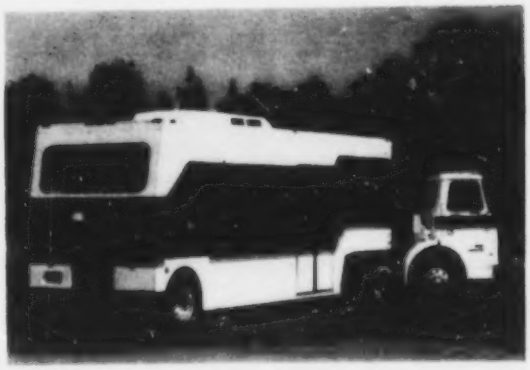
FUEL TANK CAPACITY : 600 L

GROSS VEHICLE WEIGHT : 17 686 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☑ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☐ FLIP-DOWN SEAT

TYPE OF VEHICLE

Large Bus



SuperBus

MAKE AND MODEL

SuperBus

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 29

DIMENSIONS :
LENGTH : 11 m
WIDTH : 2.59 m
HEIGHT : 3.45 m

WHEELBASE : —

MAXIMUM STEP HEIGHT : 38.1 cm

FLOOR HEIGHT : 38.1 cm

INTERIOR HEADROOM : 2.03 – 2.82 m

DOOR OPENING WIDTHS :
FRONT : —
REAR OR SIDE : 1.02 m

TURNING RADIUS : —

TIRE SIZE : 12.5 x 22.5

ENGINE : Detroit 6V92T Silver diesel

TRANSMISSION : Allison HTB-748 automatic

SUSPENSION : Air

BRAKES : Air

STEERING : Power

AIR CONDITIONING : Thermo King

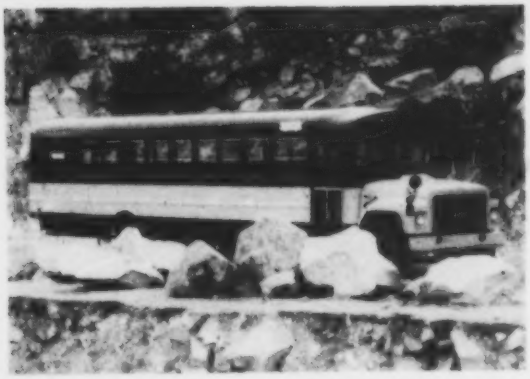
FUEL TANK CAPACITY : —

GROSS VEHICLE WEIGHT : —

OPTIONS FOR THE MOBILITY IMPAIRED :
☐ KNEELER
☐ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☐ WHEELCHAIR STATION
☐ WHEELCHAIR SECUREMENT
☐ FLIP-DOWN SEAT

TYPE OF VEHICLE

Large Bus (Ford, GMC, Chevrolet, IHC)



Thomas "Conventional"

MAKE AND MODEL

Thomas "Conventional"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 60

DIMENSIONS :
LENGTH : 12.19 m
WIDTH : 2.44 m
HEIGHT : 2.75 m

WHEELBASE : 6.99 m

MAXIMUM STEP HEIGHT : 38.1 cm

FLOOR HEIGHT : 91.5 – 99.1 cm

INTERIOR HEADROOM : 1.85 – 1.98 m

DOOR OPENING WIDTHS :
FRONT : 76.2 cm
REAR OR SIDE : 83.8 cm

TURNING RADIUS : —

TIRE SIZE : 9 x 20

ENGINE : Gas, diesel

TRANSMISSION : Automatic, manual

SUSPENSION : Air, leaf spring

BRAKES : Air, power hydraulic

STEERING : Power

AIR CONDITIONING : Available

FUEL TANK CAPACITY : 272.8 L

GROSS VEHICLE WEIGHT : —

OPTIONS FOR THE MOBILITY IMPAIRED :
☐ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Large Bus

Volvo "40"

MAKE AND MODEL

Volvo "40"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 46

DIMENSIONS :
- LENGTH : 12.19 m
- WIDTH : 2.59 m
- HEIGHT : 3.05 m

WHEELBASE : 6.5 m

MAXIMUM STEP HEIGHT : 37.9 cm

FLOOR HEIGHT : 87.9 cm

INTERIOR HEADROOM : 1.98 m

DOOR OPENING WIDTHS :
- FRONT : 83.8 cm
- REAR OR SIDE : 83.8 cm

TURNING RADIUS : 12.45 m

TIRE SIZE : 12.5 x 22.5

ENGINE : Volvo 10 L turbo diesel

TRANSMISSION : ZF 4 HP 500 4-speed automatic

SUSPENSION : Air

BRAKES : Air

STEERING : Power

AIR CONDITIONING : Available

FUEL TANK CAPACITY : 473.2 L

GROSS VEHICLE WEIGHT : 11 791 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
- ☑ KNEELER
- ☑ WHEELCHAIR LIFT
- ☐ WHEELCHAIR RAMP
- ☑ WHEELCHAIR STATION
- ☑ WHEELCHAIR SECUREMENT
- ☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Large Bus (Ford, GMC, IHC)

Lifeguard

MAKE AND MODEL

Wayne "Lifeguard"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 52

DIMENSIONS :
LENGTH : 11.89 m
WIDTH : 2.44 m
HEIGHT : 3.18 m

WHEELBASE : 3.86 – 7.01 m

MAXIMUM STEP HEIGHT : 40.6 cm

FLOOR HEIGHT : 1.02 m

INTERIOR HEADROOM : 1.85 – 1.93 m

DOOR OPENING WIDTHS :
FRONT : 61 cm
REAR OR SIDE : 88.9 cm

TURNING RADIUS : —

TIRE SIZE : 9 x 20

ENGINE : Gas, diesel, propane

TRANSMISSION : Automatic, manual

SUSPENSION : Air, leaf spring

BRAKES : Air, power hydraulic

STEERING : Power

AIR CONDITIONING : Available

FUEL TANK CAPACITY : 272.8 L

GROSS VEHICLE WEIGHT : —

OPTIONS FOR THE MOBILITY IMPAIRED :
☐ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

ARTICULATED BUS

TYPE OF VEHICLE

Articulated Bus

MAKE AND MODEL

Crown-Ikarus "286"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 61 – 76

DIMENSIONS :
LENGTH : 18.21 m
WIDTH : 2.59 m
HEIGHT : 3.15 m

WHEELBASE : Tractor: 5.69 m, Trailer: 7.11 m

MAXIMUM STEP HEIGHT : 29.2 cm

FLOOR HEIGHT : 84.8 cm

INTERIOR HEADROOM : 1.98 m

DOOR OPENING WIDTHS :
FRONT : 1.22 m
REAR OR SIDE : 1.22 m

TURNING RADIUS : 12.19 m

TIRE SIZE : 315/75R22.5

ENGINE : Cummins NHHTC 290 diesel

TRANSMISSION : Allison HT-7400 automatic

SUSPENSION : Air

BRAKES : Air

STEERING : Sheppard 492 Power

AIR CONDITIONING : Carrier Transicold

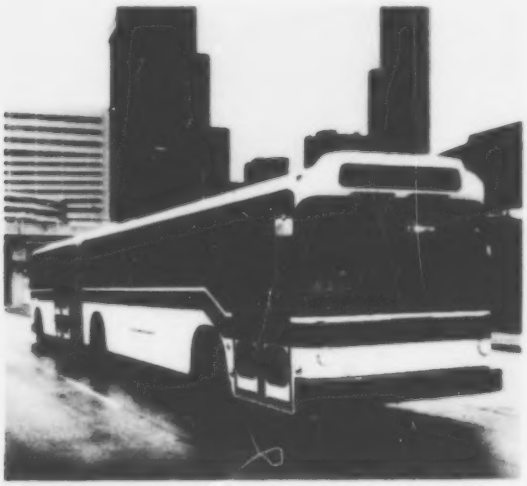
FUEL TANK CAPACITY : 568.2 L

GROSS VEHICLE WEIGHT : 17 686.5 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☑ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Articulated Bus



M.A.N. "SG-310"

MAKE AND MODEL

M.A.N. "SG-310"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 72

DIMENSIONS :
LENGTH : 18.28 m
WIDTH : 2.59 m
HEIGHT : 3.18 m

WHEELBASE : Tractor: 5.64 m, Trailer: 7.24 m

MAXIMUM STEP HEIGHT : 37.2 cm

FLOOR HEIGHT : 97.2 cm

INTERIOR HEADROOM : 1.98 m

DOOR OPENING WIDTHS :
FRONT : 1.14 m
REAR OR SIDE : 1.14 m

TURNING RADIUS : 13.2 m

TIRE SIZE : 315/80R22.5

ENGINE : M.A.N. D2566 diesel

TRANSMISSION : Renk 4-speed automatic

SUSPENSION : Air

BRAKES : Air

STEERING : ZF 8065 power

AIR CONDITIONING : Perkins 200

FUEL TANK CAPACITY : 473.2 L

GROSS VEHICLE WEIGHT : —

OPTIONS FOR THE MOBILITY IMPAIRED :
☑ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Articulated Bus

Neoplan "AN 460"

MAKE AND MODEL

Neoplan "AN 460"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 64

DIMENSIONS :
- LENGTH : 18.29 m
- WIDTH : 2.59 m
- HEIGHT : 3.41 m

WHEELBASE : —

MAXIMUM STEP HEIGHT : 35.6 cm

FLOOR HEIGHT : 79.2 cm

INTERIOR HEADROOM : 1.98 m

DOOR OPENING WIDTHS :
- FRONT : 81.3 cm
- REAR OR SIDE : 81.3 cm

TURNING RADIUS : 13.14 m

TIRE SIZE : 12.5 x 22.5

ENGINE : Detroit 8V92 diesel

TRANSMISSION : Allison AT 747 automatic

SUSPENSION : Air

BRAKES : Air

STEERING : ZF 8043 power

AIR CONDITIONING : Suetrak

FUEL TANK CAPACITY : 568.2 L

GROSS VEHICLE WEIGHT : 12 516.6 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
- ☑ KNEELER
- ☑ WHEELCHAIR LIFT
- ☐ WHEELCHAIR RAMP
- ☑ WHEELCHAIR STATION
- ☑ WHEELCHAIR SECUREMENT
- ☐ FLIP-DOWN SEAT

TYPE OF VEHICLE

Articulated Bus

Scania "BR112"

MAKE AND MODEL

Saab-Scania "BR112A"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 67

DIMENSIONS :
- LENGTH : 17.68 m
- WIDTH : 2.59 m
- HEIGHT : 3.25 m

WHEELBASE : —

MAXIMUM STEP HEIGHT : 37.5 cm

FLOOR HEIGHT : 98.5 cm

INTERIOR HEADROOM : 2.19 m

DOOR OPENING WIDTHS :
- FRONT : 37.5 cm
- REAR OR SIDE : 125 cm

TURNING RADIUS : 9.69 m

TIRE SIZE : 11 x 22.5

ENGINE : Scania DS 1121 diesel

TRANSMISSION : Scania 4-speed automatic

SUSPENSION : Air

BRAKES : Air

STEERING : Scania power

AIR CONDITIONING : Thermo King

FUEL TANK CAPACITY : 283.9 L

GROSS VEHICLE WEIGHT : 17 033.5 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
- ☑ KNEELER
- ☑ WHEELCHAIR LIFT
- ☐ WHEELCHAIR RAMP
- ☑ WHEELCHAIR STATION
- ☑ WHEELCHAIR SECUREMENT
- ☑ FLIP-DOWN SEAT

TYPE OF VEHICLE

Articulated Bus

Volvo "60"

MAKE AND MODEL

Volvo "60"

VEHICLE SPECIFICATIONS

PASSENGER CAPACITY : 66

DIMENSIONS :
LENGTH : 18.29 m
WIDTH : 2.44 – 2.59 m
HEIGHT : 3.18 m

WHEELBASE : Tractor: 5.50 m, Trailer: 5 m

MAXIMUM STEP HEIGHT : 36.8 cm

FLOOR HEIGHT : 86.4 cm

INTERIOR HEADROOM : 1.98 m

DOOR OPENING WIDTHS :
FRONT : 1.12 m
REAR OR SIDE : 1.12 m

TURNING RADIUS : 12.2 m

TIRE SIZE : 12.5 x 22.5

ENGINE : Volvo, 10 L turbo diesel

TRANSMISSION : ZF 5 HP 500 automatic

SUSPENSION : Air

BRAKES : Air

STEERING : Power

AIR CONDITIONING : Available

FUEL TANK CAPACITY : 473.2 L

GROSS VEHICLE WEIGHT : 16 326 kg

OPTIONS FOR THE MOBILITY IMPAIRED :
☑ KNEELER
☑ WHEELCHAIR LIFT
☐ WHEELCHAIR RAMP
☑ WHEELCHAIR STATION
☑ WHEELCHAIR SECUREMENT
☑ FLIP-DOWN SEAT

Bibliography

Appel, H., Grunewald, H.J., *Restraint Systems for "Telebus"*, in Transportation: an Abstract Newsletter, National Transportation Information Series, December 1983, p. 319.

Balog, J.N., Pawlak, R.J., *Paratransit and Bus Accidents Involving Elderly and Handicapped Passengers: Problems and Solutions of Evacuation and Rescue*, prepared for the 63rd annual meeting of the Transportation Research Board, U.S.A., 1984.

Bell, W.G., *An Overview of Developments in the United States in Transportation for the Elderly and Handicapped*, Mobility and Transport for Elderly and Handicapped Persons, proceedings of a conference held at Churchill College, Cambridge, England, July 1981, pp. 13–22.

Brenner, E., Giargrande, R.V., *Wheelchair Securement Systems in Transit Vehicles: A Summary Report*, Transportation Systems Centre, Technology Sharing Centre, Department of Transportation, U.S.A., 1981.

California Department of Transport, *California DOT Completes Wheelchair Studies*, School Bus Fleet, Vol. 27, No. 5, U.S.A., October 1982.

California Department of Transportation, *Prototype of Wheelchair Securement System*, California Department of Transportation, Division of Mass Transportation, 1982.

Canadian Standards Association, *Motor Vehicles for the Transportation of Physically Disabled Persons*, Canadian Standards Association, Ottawa, 1984.

Department of Transportation (Great Britain), *Code of Practice and Special Provisions for the Carriage of Passengers in Wheelchairs on Public Service Vehicles*, Department of Transport (Great Britain), London, 1982.

Dorrance, Nancy, *Q'Straint Clamps Down on Wheelchair Accidents*, in Rehabilitation Digest, Vol. 16, No. 4, Winter 1985.

Erving, Esther, ed., *The Green Pages Rehab Sourcebook, Directory of Products and Services for the Physically Disabled*, Sourcebook Publications, U.S.A., 1982.

Galin, J.J., *Transportation for the Elderly, Handicapped and Disadvantaged, Annotated Bibliography of Technical Reports*, Vance Bibliography, Illinois, U.S.A., 1985.

Goldsmith, Selwyn, *Designing for the Disabled*, 3rd edition, RIBA Publications Limited, England, 1981.

Heron, R.M., Smith, B.A., Suen, L., Alfieri, F.A., *Canadian Overview of Technological and Systems Research and Development on Transportation for Disabled Persons*, Transportation Research Record 934, Canada, 1981, pp. 31–38.

International Conference on Rehabilitation Engineering, *Proceedings*, Canada, 1980.

Jones, Kerry, *Can You Survive a Crash?*, in Accent on Living, Cheever Publishing, Illinois, U.S.A., 1983, p. 48.

Kallieris, D., Mattern, R., Schmidt, G., Glitsch, G.-D., Harres, M., Leis, B., *Behavior and Response of Wheelchair, Passenger and Restraint Systems Used in Buses During Impact*, Society of Automotive Engineers, Conference Paper 811018, Proceedings of the Twenty-fifth Stapp Car Crash Conference, U.S.A., 1981.

Khadikar, A.V., Will, E., *Crash Protection Systems for Handicapped School and Transit Bus Occupants. Volume I. Executive Summary — Interim Report*, Minicars, Incorporated, National Highway Traffic Safety Administration, U.S.A., 1980.

Khadikar, A.V., Will, E., *Crash Protection Systems for Handicapped School and Transit Bus Occupants. Volume II. Technical Report — Interim Report*, Minicars, Incorporated, National Highway Traffic Safety Administration, U.S.A., 1980.

Khadikar, A.V., Will, E., *Crash Protection Systems for Handicapped School and Transit Bus Occupants. Volume III. Appendices A, B, C, and D*, Minicars, Incorporated, National Highway Traffic Safety Administration, U.S.A., 1980.

Khadikar, A.V., Will, E., *Crash Protection Systems for Handicapped School and Transit Bus Occupants. Volume IV. Appendix E*, Minicars, Incorporated, National Highway Traffic Safety Administration, U.S.A., 1980.

Khadikar, A.V., Will, E., *Crash Protection Systems for Handicapped School and Transit Bus Occupants. Volume V. Appendices F and G*, Minicars, Incorporated, National Highway Traffic Safety Administration, U.S.A., 1980.

Khadikar, A.V., Will, E., Costa, V., *Crash Protection Systems for Handicapped School Bus Occupants. Volume I. Executive Summary*, Minicars, Incorporated, National Highway Traffic Safety Administration, U.S.A., 1981.

Khadikar, A.V., Will, E., Costa, V., *Crash Protection Systems for Handicapped School Bus Occupants. Volume II. Technical Report — Final Report*, Minicars, Incorporated, National Highway Traffic Safety Administration, U.S.A., 1981.

Khadikar, A.V., Will, E., Costa, V., *Crash Protection Systems for Handicapped School Bus Occupants. Volume III. Appendices*, Minicars, Incorporated, National Highway Traffic Safety Administration, U.S.A., 1981.

Kinghorn, G., *Tests of a Wheelchair Restraining Module*, Mobility and Transport for Elderly and Handicapped Persons, proceedings of a conference held at Churchill College, England, 1981, pp. 327–333.

Perry, S.P.F., Chatfield, A.G., *Static and Dynamic Tests of Wheelchair Restraints for Use in Public Service Vehicles*, Vehicle Safety Division, Vehicle and Systems Assessment Department, Transport and Road Research Lab, England, 1983.

Rae, J.W., Smith, R.M., Dong, V.S., *Wheelchair Securement on Bus and Paratransit Vehicles — Final Report*, Division of Mass Transportation, California Department of Transportation, U.S.A., 1981.

Reinl, H.G., Stewart, C.F., *Wheelchair Crashworthiness: Safety of Loading and Securement Hardware for Transporting Wheelchair Passengers*, Urban Mass Transportation Administration, Office of Technology Development and Deployment: California, Department of Transportation, U.S.A., 1981.

Rutenberg, U., *Multimodal Wheelchair Securement Passenger Restraint — Prototype Development*, Douglas Ball Inc., Transportation Development Centre, Transport Canada, 1981.

Schneider, L.W., *Dynamic Testing of Restraint Systems and Tie-downs for Use with Vehicle Occupants Seated in Powered Wheelchairs*, Highway Safety Research Institute, Massachusetts Rehabilitation Commission, U.S.A., 1981.

Schneider, L.W., Melvin, J.W., Cooney, C.E., *Impact Sled Test Evaluation of Restraint Systems Used in Transportation of Handicapped Children*, Society of Automotive Engineers, U.S.A., 1979.

Schneider, L.W., *Protection for the Severely Disabled — A New Challenge in Occupant Restraint*, American Association for Automotive Medicine, Proceedings of the International Symposium on Occupant Restraint, U.S.A., 1981.

Schneider, L.W., *Sled Impact Tests of Wheelchair Tie-down Systems for Handicapped Drivers*, Michigan University, Ann Arbor, Transportation Research Institute, Massachusetts Rehabilitation Commission, U.S.A., 1985.

Sklar, J.R., *An Introduction to Van Modification for the Disabled*, in the Journal of Traffic Safety Education, Vol. 27, No. 4, U.S.A., 1981.

Smith, B., Nishizaki, R., *Compendium of Transportation Equipment for Disabled Persons*, TP 3618E, Transportation Development Centre, Transport Canada, Canada, 1981.

Stewart, C.F., Reinl, H.G., *Wheelchair Securement on Bus and Paratransit Vehicles*, California Department of Transportation, U.S. Department of Transportation, Research and Special Programs Administration, U.S.A., 1981.

Wevers, H.W., *Wheelchair Securement/Passenger Restraint System*, in Rehabilitation Digest, Vol. 14, No. 2, Summer 1983.

APPENDIX

Manufacturers / Converters

Air Surrey Dispatcher

Air Surrey Inc.
106 South Green St.
P.O. Box 530
Roanoke, IL 61561, U.S.A.
Tel. (309) 923–2011

AmTran Patriot, Vanguard

American Transportation Corporation
Highway 65
Conway, AR 72032, U.S.A.
Tel. (501) 327–7761

Blue Bird MT-30

Blue Bird
Airport Rd.
P.O. Box 880
Brantford, Ontario N3T 5R7
Tel. (519) 759–4960

Boyertown Trolley Bus

Boyertown Auto Body Works
P.O. Box 418
Boyertown, PA 19512, U.S.A.
Tel. (215) 367–2091

Braun Corp. Caravan

The Braun Corporation
1014 South Monticello Dr.
Winamac, IN 46996, U.S.A.
Tel. (219) 946–6157

Bus Industries Orion

Bus Industries of America
Base Road R.D. 1
Oriskany, NY 13424, U.S.A.
Tel. (315) 768–8101

Campwagon

Campwagon
1170 Olivier Rd.
Berniéres, Quebec G0S 1C0
Tel. (418) 831–1893

Care Concepts Transporter

Care Concepts Inc.
3604 North 27th Ave., Suite 102
Phoenix, AZ 85017, U.S.A.
Tel. (602) 274–1432

Champion TTA

Champion Home Builders Co.
Commercial Vehicle Division
331 Graham Rd.
P.O. Box 158
Imlay City, MI 48444, U.S.A.
Tel. (313) 724–6474

Chance Ameribus, RT-50

Chance Coach Ltd.
4219 Irving St.
P.O. Box 12328
Wichita, KS 67277, U.S.A.
Tel. (316) 942–7411

Coach & Equipment Challenger, Shadow, Super Metrovan

Coach & Equipment Mfg. Corp.
P.O. Box 36
Penn Yan, NY 14527, U.S.A.
Tel. (315) 536–2321

Collins Omni

Collins Industries, Inc.
Special Products Division
P.O. Box 58
Hutchinson, KS 67504, U.S.A.
Tel. (316) 663–4441

Coons Diamond GT & VIP

Coons Manufacturing Inc.
P.O. Box 489
Oswego, KS 67356, U.S.A.
Tel. (316) 795–2191

Crown-Ikarus 286

Crown Coach International
13799 Monte Vista Ave.
Chino, CA 91710, U.S.A.
Tel. (714) 591–0567

Durisotti Minicar

Durisotti, S.A.R.L.
Ave. Fosse 13 – B.P. 4
62430 Sallaumines-Lens, France
Tel. (21) 79.34.05

Dutcher Motors TransitTaxi

Dutcher Motors Inc.
P.O. Box 3146
Hagerstown, MD 21750, U.S.A.
Tel. (301) 747–1400

ElDorado Falcon, MST

ElDorado Motor Corporation
P.O. Box 266
Minneapolis, KS 67467, U.S.A.
Tel. (913) 392–2171

Elswick Envoy

Elswick Special Vehicles Limited
Kings Coughton Alcester,
Warwickshire
England, B49 5QG
Tel. 0789 763711

Flxible Metro

The Flxible Corporation
970 Pittsburgh Dr.
Delaware, OH 43051, U.S.A.
Tel. (614) 369–7671

Flyer D901, D902

Flyer Industries Ltd.
64 Hoka St.
P.O. Box 245
Transcona P.O.
Winnipeg, Manitoba R2C 3T4
Tel. (204) 224–1251

Funcraft

Funcraft Vehicles (1981) Ltd.
165 Sheldon Drive
Cambridge, Ontario N1R 6T8
Tel. (519) 621–9310

Gateau International EGZO 3-H

Gateau Automobiles
Division d'YVARS S.A.
17, av. Jean-Jaurès
94200 Ivry-sur-Seine, France
Tel. (16) 71.54.00

Gillig

Gillig
P.O. Box 3008
Hayward, CA 94540, U.S.A.
Tel. (415) 785–1500

Girardin Bantam

Autobus Girardin Ltd.
TransCanada Highway
Drummondville, Quebec J2B 6V4
Tel. (819) 477-3222, 1-800-567-1467

GMC Classic

General Motors of Canada Ltd.
Diesel Division
P.O. Box 5160
London, Ontario N6A 4N5
Tel. (519) 452-5252

Goshen Coach 280, Sentry

Goshen Coach Co.
P.O. Box 874
Goshen, IN 46526, U.S.A.
Tel. (219) 534-3664

GSM Taxi

GSM Design Inc.
317 Place d'Youville
Montreal, Quebec H2Y 2B5
Tel. (514) 288-4233

HCI Transit Van

HCI
2516 W. Pennway
Kansas City, MO 64108, U.S.A.
Tel. (816) 471-0305

Irizar Transit Coach

International Transit Systems Ltd.
Suite 610, Bremer Bldg.
419 North Robert St.
St. Paul, MN 55101, U.S.A.
Tel. (612) 292-0384

London Taxis FX4W

London Taxis International Ltd.
Torrington Ave., Tile Hill
Coventry, CV4 9BH, England
Tel. 0203 470022

M.A.N. Americana, SG-310

M.A.N. Truck & Bus Corporation
201 South College St.
Charlotte, NC 28244, U.S.A.
Tel. (704) 376-6000

MCR 8200DL

MCR Technology Inc.
55 Depot Rd.
Goleta, CA 93117, U.S.A.
Tel. (805) 964-0671

National Coach Escort II, Transmark

National Coach Corp.
130 West Victoria
Gardena, CA 90248, U.S.A.
Tel. (213) 538-3122

Neoplan AN 440, AN 460, Litl'Bus

Neoplan USA Corporation
700 Gottlob Auwaerter Dr.
Lamar, CO 81052, U.S.A.
Tel. (303) 336-3256

Ontario Bus Industries Orion II

Ontario Bus Industries Inc.
5395 Mississauga Dr.
Mississauga, Ontario L4W 1G6
Tel. (416) 625-9510

Saab-Scania BR 112A, CN112

Saab-Scania of America Inc.
Saab Dr.
P.O. Box 697
Orange, CT 06477, U.S.A.
Tel. (203) 795-1326

Sabre LAG350T

Sabre
P.O. Box 413
Bel Air, MD 21014, U.S.A.
Tel. (301) 879-5975

Setra S 216 HDS

Setra Bus & Coach Inc.
32 Lewiston Rd.
P.O. Box 852
Gray, ME 04039, U.S.A.
Tel. (207) 657-2455

Skillcraft Transmaster

Skillcraft Industries Inc.
355 Center Court
Venice, FL 33595, U.S.A.
Tel. (813) 493-8706

Specialty Vehicles C-20, Premiere

Specialty Vehicles, Inc.
12522 Lakeland Rd.
Santa Fe Springs, CA 90670, U.S.A.
Tel. (213) 946-6891

Steyr City-Bus

Steyr-Daimler-Puch AG
Werke Wien
2. Haidequerstabe 3
A.1110 Vienna, Austria
Tel. 0222 76 45 11

Superbus

Superbus Inc.
1845 Island Dr.
Fullerton, CA 92633, U.S.A.
Tel. (714) 521-2909

Target Mini-Van

Target Industries
6 Thompson Rd.
East Windsor, CT 06088, U.S.A.
Tel. (203) 627-5191

Teilhol Handicar

Teilhol S.A.
B.P. 6
63120 Cowpiere, France
Tel. (73) 80.60.55

Thomas Conventional, Mighty Mite, Minotour I

Thomas Built Buses of Canada, Ltd.
P.O. Box 580
Woodstock, Ontario N4S 7Z5
Tel. (519) 539-1225

Transit Bus MRT-30

Transit Bus Manufacturing
2437 Minnis Dr.
Fort Worth, TX 76117, U.S.A.
Tel. (817) 831-3721

Turtle Top TTV-E

Turtle Top, inc.
118 West Lafayette St.
P.O. Box 537
Goshen, IN 46526, U.S.A.
Tel. (219) 533-4116

Volvo 40, 60

Volvo of America Corporation
Bus Division
Rockleigh, NJ 07647, U.S.A.
Tel. (201) 767–4784

Wayne Chaperone, Chaperone II, Lifeguard

Wayne Corporation
P.O. Box 1447
Richmond, IN 47357, U.S.A.
Tel. (317) 962–7511

Wheeled Coach 1900 WC

Wheeled Coach Corporation
2778 North Forsyth Rd.
P.O. Box 27339
Orlando, FL 32867, U.S.A.
Tel. (305) 677–7777

Wide One

Wide One Corporation
3051 East La Palma Av.
Anaheim, CA 92806, U.S.A.
Tel. (714) 630–7933